

Uniclass L43224 + L5391	EPIC D34/ + E48
CI/SfB (43) + (44) X	

Stair Edgings & Floor Trims

Accessories | the widest choice of solutions

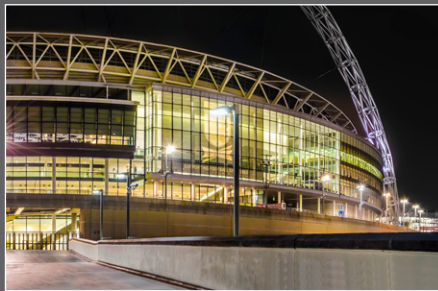
GRADUS

GRADUS

Our products are installed in prestigious buildings in both UK and International markets. With customers ranging from designers & architects to contractors and building owners and with clients such as Marks & Spencer, Virgin and BMW you can trust Gradus to provide products that work.



The Gherkin, London, England



Wembley Stadium, London, England



Hong Kong International Airport



Marina Bay Sands Resort, Singapore



Royal Caribbean Cruise Ship



The Christie, Manchester, England



Burj Al Arab, Dubai, UAE



Eiffel Tower, Paris, France

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Why Gradus

Gradus is the market leader in contract flooring accessories and offers the widest choice in product solutions for stairs and floors.

All our products are designed to ensure the correct balance between safety, performance and aesthetics and are suitable for a wide variety of contract applications.



Gradus is a member of the Contract Flooring Association



Gradus is a member of the RIBA CPD Providers Network



Gradus is a member of NBS Plus





Services

CPD

A full range of RIBA assessed CPD seminars available covering specification, legislation, safety, performance and aesthetics for stair edgings, wall protection and barrier matting.

Measuring Service

Take the hassle out of the job and let Gradus provide accurate stair edging measures, saving you time and money.

Product Showcase

The Gradus Product Showcase is an informal opportunity for Gradus to bring an exhibition of our products directly to you. We have designed them to be flexible and informative and they can be arranged at a time and date to suit you (see page 158).

Websites

Visit www.gradus.com to access all of our products and services or head to www.createsafestairs.uk to see our easy-to-follow 3 step guide to creating safe stairs.

Fabrications

When projects aren't straightforward, we can help customise many of our products to ensure a solution that fits.

Samples

Call Gradus or build a design board online and get all the samples you need within 24 hours.

Tel: 01625 428922
or email: imail@gradusworld.com

Quality



- 10 year warranty against material and manufacturing defects under normal use and service, subject to materials being installed and maintained to our recommendations. Look out for products that carry the 10 year warranty
- ISO 9001 Quality Management accredited company
- OHSAS 18001 Occupational Health & Safety

Design

- Safety: products are developed with safety at the forefront of design. All stair edgings and floor trims effectively contribute to a reduction in slip and trip accidents
- Performance: extensive research and testing to ensure durability and appearance retention throughout a product's life
- Aesthetics: a variety of colours and finishes ensure harmonisation with interior designs and allow visual contrast to be achieved where relevant
- In-house product design and development

Sustainability

- ISO 14001 Environmental Management accredited company
- Our pledge is 'To meet our present business needs without compromising our long term future'
- We have a firm set of environmental objectives allowing us to focus on raw material selection, legislation, waste reduction, training and recycling

REACH



- REACH (Registration, Evaluation, Authorisation and restriction of CHemicals) and Substances of Very High Concern (SVHC) is the system for controlling chemicals in Europe. It became law in the UK on 1st June 2007
- Gradus products do not contain any substances currently classified as Substances of Very High Concern (SVHC) at a concentration greater than 0.1% appearing on the Candidate List in accordance with Article 59 (10) of the REACH Regulation (EC) 1907/2006
- Gradus products do not contain any known potentially harmful substances such as formaldehyde or heavy metals such as lead, cadmium or mercury

Knowledge

- Member of the Contract Flooring Association (CFA)
- Registered member of the RIBA CPD Providers Network
- Technical Support
- Member of NBS Plus
- Network of trained specification consultants





Section 1

Stair Edgings & Complementary Trims

Providing the most extensive range in the UK, Gradus stair edgings can help to reduce accidents on stairs as well as helping to provide an inclusive environment giving access to all building users.

Why use a stair edging?

- ✓ **Reduce accidents on stairs by:**

 - Providing slip-resistance at the edge of the step

 - Providing a visual contrast to highlight the edge of the step

- ✓ **Protect the step edge and surrounding floorcoverings**

- ✓ **Reduce maintenance costs**

- ✓ **Improve the aesthetics of a building**

- ✓ **Comply with the guidance in**

 - Approved Documents K and M of The Building Regulations 2010,

 - BS 8300:2009+A1:2010, BS 9266:2013 and BS 5395-1:2010 in line with the Equality Act 2010



Follow our 3 step guide to selecting the correct stair edging, see pages 10 to 13 or visit www.createsafestairs.uk

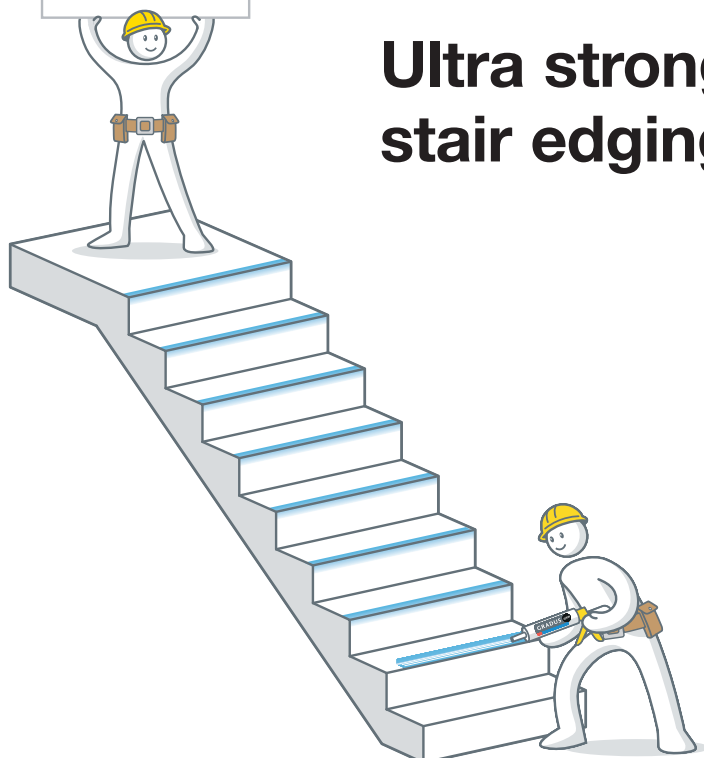


Visit our new microsite...
www.createsafestairs.uk
 For all the guidance you need
 to select the correct stair edging

NEW

GRADUS GRIP

Have you
 tried it yet?



Ultra strong stair edging adhesive

- Save time
- Save money
- Gradus 10 year warranty
- Rapid curing
- No more screws & plugs
- Ultra strong bond

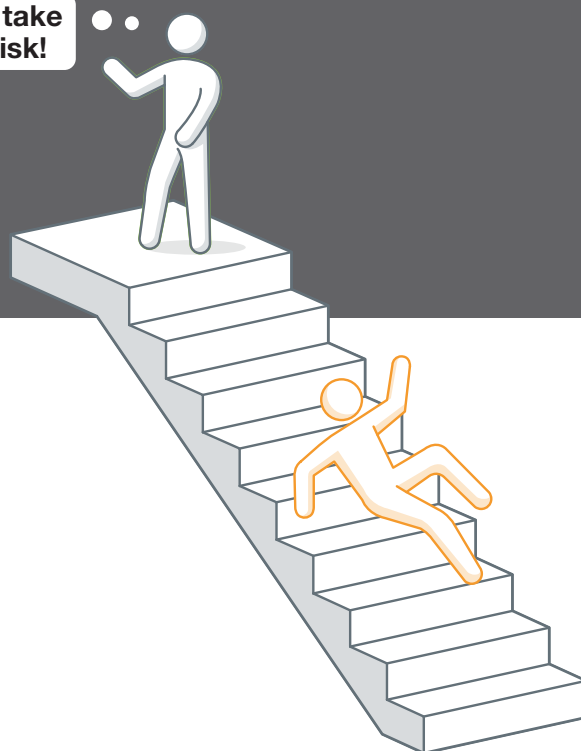
Download the NBS at
www.gradus.com

**DON'T DRILL IT,
 GRADUS GRIP IT**



Step 1

Don't take
the risk!



Choose the right stair edging and fixing method for the step

Specification Guidelines

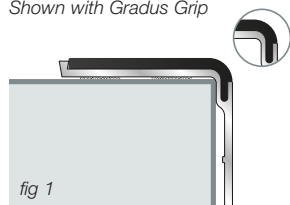
BS8300:2009+A1:2010 refers to research undertaken by BRE. This research shows that if the depth of the tread is less than 300mm the risk of an overstep is increased. A stair nosing that **wraps around the riser** will reduce this risk by increasing the slip-resistance at the step edge.

Gradus stair nosings offer a wide range of profiles that satisfy all the latest building standards and guidelines and accommodate a wide range of floorcoverings.

Types of Stair Nosing

XT range

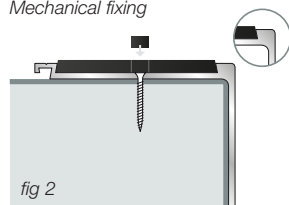
Shown with Gradus Grip



- Aluminium or PVC-u Hardnose
- Factory bonded extended insert design ensures maximum safety underfoot
- Locking mechanism secures insert in place

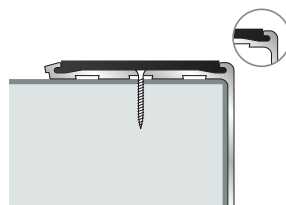
Traditional range

Mechanical fixing



- Aluminium, Chrome, Bronze or PVC-u Hardnose
- Factory bonded inserts supplied

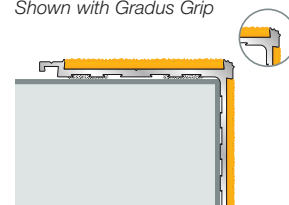
Elite range



- Aluminium or Bronze
- Insert supplied separately to the channel offering a neat, concealed fixing and eliminating the need for screw head cover plugs
- Mechanical lock for insert

Trans-Edge range

Shown with Gradus Grip



- Aluminium
- TEX range: Factory bonded inserts

Fixing Method

A secure fixing between the stair edging and the step is essential to ensuring a safe installation. The stair edging profile, type and condition of the substrate and the application will affect the type of fixing method required.

Adhesive only fixing - Gradus Grip (see fig 1 above)

A specialist adhesive designed to securely bond stair edgings, eliminating the need for screws and screw head cover plugs, providing a neater finish. The Gradus Grip adhesive bond is available with a 10 year warranty.

Mechanical and adhesive fixing (see fig 2 above)

A combination of screw fixings, cartridge adhesive and screw head cover plugs are used to achieve a secure fixing.

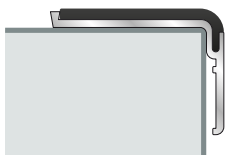
To ensure the correct installation method is selected further information can be found in our installation instructions available at www.gradus.com



Shape of Step

Select the correct stair nosing for the shape of the step – this should be a tight fit to the step to ensure that the profile does not lift or rock during use. There are four main stair nosing shapes to choose from (see below). Kinked face profiles can be used on square and some rake back stairs.

Square



Rake Back



Kinked Face



Bullnose



Gauge

The gauge (thickness) of the stair nosing should be a flush finish to the floorcovering to avoid a trip hazard being created. When used with soft floorcoverings such as carpet and carpet tile, the gauge should achieve a flush finish with the compressed thickness of the floorcovering.

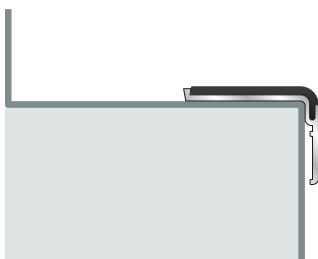
Gradus offers a range of gauges to suit the majority of commercial floorcoverings (see below).

Gauge	Typically used with
Ramp back	No floorcoverings / Resilient floorcoverings – install profile on top of the floorcovering to ensure a safe fit
2mm – 3mm	Resilient floorcoverings
4mm – 5mm	Carpet / Carpet Tile / Resilient floorcoverings with a bevelled underlay (see page 56) in heavy use areas
6mm	Carpet / Carpet Tile
7mm – 10mm	Carpet / Wood / Ceramics / Other heavy duty floorcoverings
10mm – 15mm	Ceramics / Stone / Marble

Tread (going)

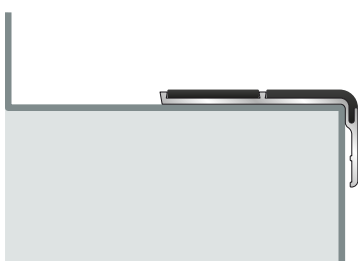
The depth of the tread (going) will also have an influence on the stair nosing selected. A study conducted by BRE found that slips on stairs are often as a result of an overstep, especially on narrow treads (less than 300mm). To help reduce the risk of slips in an overstep situation, the **XT stair nosing range incorporates a slip-resistant insert that extends around the leading edge of the profile in line with BRE recommendations.**

Gradus offers a wide range of profiles to suit different tread sizes:



Single Channel

- Single channel – ideal for use on treads up to 300mm deep

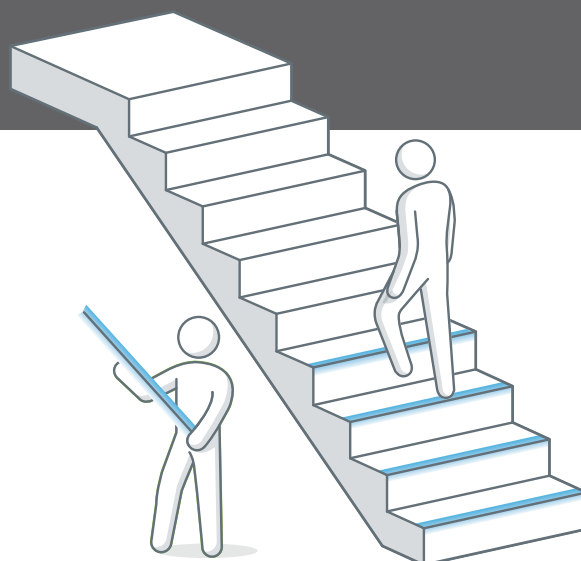


Double Channel

- Double and multiple channels – suitable for stairs with a large going, especially if they are subject to heavy volumes of foot traffic e.g. railway stations, supermarkets, department stores, secondary and further education establishments and major hospitals.
- When specifying double channel stair nosings, both inserts should be of the same colour and be of a contrasting colour to the surrounding floor finish.

Step 2

Select the correct slip-resistance for the conditions



Specification Guidelines

BS8300:2009+A1:2010, BS 5395-1:2010 and BS 9266:2013 refers to the slip-resistance of surface finishes on stairs. A pendulum test is used to assess slip-resistance and a Pendulum Test Value (PTV) of greater than 36 is required in both dry conditions and also when the stairs are at risk of becoming wet through walked in moisture and spillages.

Slip-resistance & Performance



An insert provides a surface that creates friction between the sole of the shoe and the step edge, hence providing slip-resistance and reducing the risk of slips on stairs. All Gradus inserts are tested for slip-resistance – see results on page 147.

Ensure the required level of slip-resistance is achieved to reduce the risk of slips and falls on stairs by **selecting the correct insert for the environment:**

- Interior installations – not always dry conditions. Consider whether there is a risk of the stair nosing becoming wet and select the correct insert accordingly.
- Safety flooring – select an insert that matches or improves the slip-resistant qualities of the flooring.

Insert Type	Conditions	Applications	Material	Stair Edgings
Xtra-Grip	Interior Wet Interior Dry	Increased surface roughness where the stair edging may become wet e.g. stairs close to entrances or where safety flooring is used. Areas where health and safety are a priority e.g. schools and hospitals.	Pvc with mineral aggregate and pvc wear layer.	XT (pages 19-20, 39-40) Traditional (pages 23-29, 35-37, 41-43)
Xtra-Grip Plus	Interior Wet Interior Dry	As Xtra-grip, with the addition of an enhanced insert bond system for areas subject to more frequent cleaning e.g. catering and food preparation areas.	Pvc with mineral aggregate and pvc wear layer.	XT (pages 19-20, 39-40) Traditional (pages 23-29, 35-37, 41-43)
Interior	Interior Dry	Areas where there is no risk that the stairs will be contaminated by moisture.	Pvc with mineral inclusion - standard or grained surface.	XT (pages 19-20, 39-40) Elite (pages 21-22, 36) Traditional (pages 23-29, 35-37, 41-43)
Standard Exterior	Exterior	Everyday outdoor use e.g. car park entry / exit steps.	Glass reinforced polyester with fused alumina.	Traditional (pages 23-29, 35-37)
Heavy Duty Exterior	Exterior or Interior Heavy Traffic	Extreme exterior conditions / heavy traffic environments e.g. motorway foot bridges, railway stations, airport terminals and sports stadiums	Glass reinforced polyester with fused alumina (TEX).	TEX range (page 31)

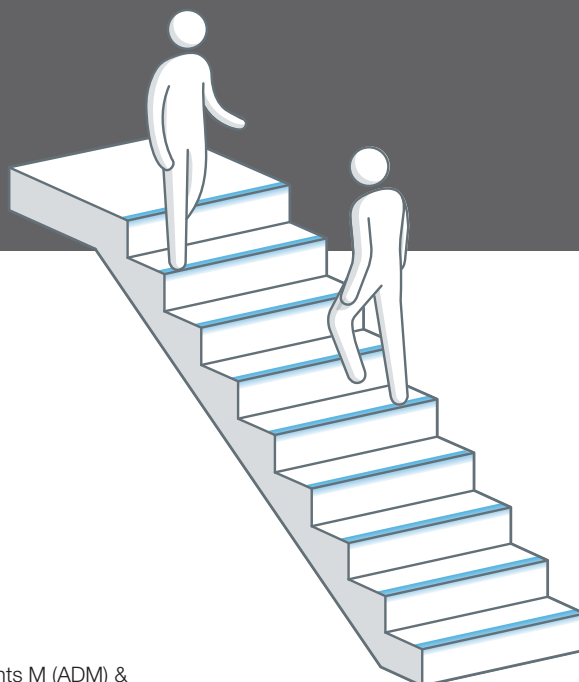
Step 3

Choose a colour that visually contrasts

Specification Guidelines

BS8300:2009+A1:2010, BS 5395-1:2010, BS 9266:2013 & Approved Documents M (ADM) & K (ADK) of The Building Regulations 2010 highlight the need to ensure there is sufficient visual contrast at the step edge, providing a safe environment for all building users.

Project Rainbow and ADM recommend that there is at least a 30 point difference between the LRVs of the stair nosing and floorcovering to achieve a suitable contrast.



Visual Contrast

Good Visual Contrast

Installed with Gradus Stair Nosings

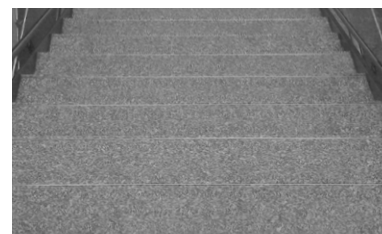
All Gradus stair nosing channel and insert colours are measured for LRVs in accordance with BS 8493:2008+A1:2010 to help achieve this difference. Gradus PVC-u Hardnose stair nosings can be selected with the channel and insert in the same colour to provide the ideal solution for creating visual contrast (picture 1), in line with Approved Documents M & K, BS 8300:2009+A1:2010, BS 5395-1:2010 and BS 9266:2013 guidelines.



picture 1

Poor Visual Contrast

No Stair Nosings – Don't Take the Risk

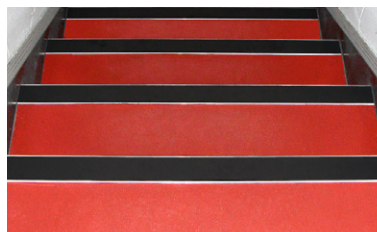


Tonal Contrast

Fully-sighted People

Tonal Contrast

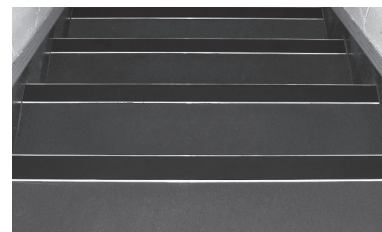
It is important to achieve a tonal contrast between the floorcovering and the stair nosing as people with visual impairments may not be able to see some or all colours but can perceive light and dark. The photographs below show that colour contrast (picture 1) visible to fully-sighted people may not always offer a tonal contrast (picture 2) for partially-sighted people.



picture 1

Partially-sighted People

Poor Tonal Contrast



picture 2



Visit our new microsite...

www.createsafestairs.uk

For all the guidance you need to select the correct stair edging



Stair Edging Colour Availability

Key: • Available from stock

See pages 16-17 for larger colour swatches

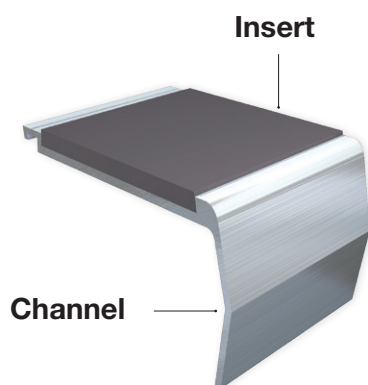
		PVC-u Hardnose XT pages 39-40	PVC-u Hardnose RN page 42	PVC-u Hardnose DDA page 41	PVC-u Hardnose RNPC page 41	PVC-u Hardnose MR page 43	Aluminium XT pages 19-20	Aluminium CXT page 20	Aluminium Elite pages 21-22	Aluminium Traditional pages 23-29	Aluminium Trans-Edge TEX page 31	Chrome page 35	Bronze Elite page 36	Bronze Traditional page 36-37	Lighting Profiles page 48-49
INSERT	Interior Standard	<ul style="list-style-type: none"> Jet Ink Midnight Burgundy Evergreen Coffee Ocean Lead Cloud Steel Linen Glacier Canvas Buttercup Snowdrift Poppy Clay Jade Sky Wisp Photoluminescent 	•	•	•	•	•	•	•	•		•	•	•	•
	Interior Grained	<ul style="list-style-type: none"> Black Brown Granite Dove 	•	•	•	•				•		•		•	
	Xtra-grip & Xtra-grip Plus	<ul style="list-style-type: none"> Carbon / Raven Deepsea / Navy Rock / Marl Pebble / Cliff Vapour / Lunar Oat / Bone Zest / Sulphur Iceberg / Diamond Truffle / Conker Breeze / Meltwater Pampas / Vine 	•	•	•	•	•	•	•	•		•		•	•
	Standard Exterior	<ul style="list-style-type: none"> Tornado Sandstorm Hurricane Blizzard 								•				•	
CHANNEL	Heavy Duty Exterior	<ul style="list-style-type: none"> Charcoal Ash Firestorm Avalanche 									•				
	Hardnose	<ul style="list-style-type: none"> Bluebell Black Brown Granite Dove Ink Midnight Burgundy Evergreen Linen Glacier Canvas Buttercup Snowdrift Clay Jade Sky Wisp 	•	•	•	•									
	Metallic Hardnose	<ul style="list-style-type: none"> Burnt Almond Zinc Doublon Silver 				•									



For guidance on selecting matching channel and insert colours that provide visual contrast on both the tread and riser, see pages 148-150.

* AS19, G65, BGR121 are not available with Photoluminescent insert. ** CXT profiles: Xtra-grip Plus only.

Stair Edging Colours



The range of stair edging colours from Gradus provides a comprehensive solution allowing specifiers and users to achieve visual contrast in line with recommendations in The Building Regulations 2010 - Approved Document M - "Access to and use of buildings", BS 8300:2009+A1:2010, BS 9266:2013 & BS 5395-1:2010 (see pages 150-155).

The colours have been developed to provide a wide choice of visual contrast with matching colours for both insert and Hardnose channel. All colours have been measured for light reflectance/visual contrast (LRV using the CIE Y value).

For guidance on selecting matching channel and insert colours that provide visual contrast on both the tread and riser, see pages 148-150. For channel and insert availability by range see individual profile pages.

Please note: Due to the limitations of the printing process, colours within this catalogue should not be relied upon for colour matching. An accurate colour match can only be achieved by requesting the relevant product sample(s) from Gradus Technical Support on 01625 428922.

NCS Colour References



Gradus is a member of NCS (Natural Colour System) and utilises the NCS reference codes shown above each colour. For further information visit www.ncscolour.co.uk

©Property of and used under licence from the Scandinavian Colour Institute AB, SCI-Sweden se, Stockholm 2004.
See www.ncscolour.co.uk for NCS-standard samples.

Channel Colours

Note: Not all colours are available for all profiles.
See individual profile pages for colour availability.

PVC-u Hardnose™ Satin Finish

Black LRV: 4.99 NCS: 8502-B 	Ink LRV: 5.40 NCS: 8010-R70B 	Burgundy LRV: 5.89 NCS: 6030-R10B 	Evergreen LRV: 6.63 NCS: 7020-B70G 	Midnight LRV: 6.77 NCS: 6030-R80B 	Brown LRV: 7.15 NCS: 6010-Y70R
Bluebell LRV: 9.76 NCS: 5030-R90B 	Granite LRV: 11.69 NCS: 6502-R 	Dove LRV: 26.19 NCS: 5000-N 	Linen LRV: 37.50 NCS: 3010-Y30R 	Glacier LRV: 42.73 NCS: 2502-B 	Clay LRV: 51.53 NCS: S2502-Y
Sky LRV: 55.38 NCS: S1515-R90B 	Canvas LRV: 55.43 NCS: 2005-Y30R 	Jade LRV: 55.54 NCS: S2005-G 	Wisp LRV: 56.62 NCS: S2000-N 	Buttercup LRV: 62.62 NCS: 1070-Y 	Snowdrift LRV: 80.54 NCS: 0500-N

PVC-u Hardnose™ Metallic Finish

Burnt Almond LRV: 9.92 NCS: 7010-Y50R 	Zinc LRV: 15.91 NCS: 6005-R80B 	Doubloon LRV: 22.01 NCS: 4020-Y 	Silver LRV: 48.29 NCS: 2005-R80B
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Metals

Aluminium LRV: 67.66 	Bronze LRV: 63.00 	Chrome LRV: 49.79
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Flexible Pvc

Black LRV: 4.56 NCS: 8502-B 	Brown LRV: 6.05 NCS: 8010-Y50R 	Granite LRV: 12.77 NCS: 7005-R50B 	Dove LRV: 26.99 NCS: 4500-N 	Snowdrift LRV: 83.77 NCS: 0500-N
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Insert Colours

Note: Not all colours are available for all profiles.
See individual profile pages for colour availability.

Xtra-grip™

Carbon LRV: 5.01 NCS: 8502-B	Deepsea LRV: 5.94 NCS: 8010-R70B	Truffle LRV: 7.85 NCS: 8010-Y50R	Rock LRV: 10.91 NCS: 7005-R50B	Pebble LRV: 27.61 NCS: 4500-N	Vapour LRV: 39.74 NCS: 2502-B
Oat LRV: 50.66 NCS: 2005-Y30R	Zest LRV: 51.11 NCS: 1070-Y	Breeze LRV: 51.13 NCS: S1515-R90B	Pampas LRV: 53.04 NCS: S2005-G	Iceberg LRV: 81.58 NCS: 0500-N	

Xtra-grip Plus™

Raven LRV: 5.01 NCS: 8502-B	Navy LRV: 5.94 NCS: 8010-R70B	Conker LRV: 7.85 NCS: 8010-Y50R	Marl LRV: 10.91 NCS: 7005-R50B	Cliff LRV: 27.61 NCS: 4500-N	Lunar LRV: 39.74 NCS: 2502-B
Bone LRV: 50.66 NCS: 2005-Y30R	Sulphur LRV: 51.11 NCS: 1070-Y	Meltwater LRV: 51.13 NCS: S1515-R90B	Vine LRV: 53.04 NCS: S2005-G	Diamond LRV: 81.58 NCS: 0500-N	

Interior Standard Finish

Jet LRV: 4.56 NCS: 8502-B	Ink LRV: 4.96 NCS: 8010-R70B	Burgundy LRV: 5.70 NCS: 6030-R10B	Coffee LRV: 6.05 NCS: 8010-Y50R	Midnight LRV: 6.56 NCS: 6030-R80B	Evergreen LRV: 6.69 NCS: 7020-B70G
Ocean LRV: 8.00 NCS: 6020-R90B	Poppy LRV: 10.39 NCS: 2070-R	Lead LRV: 12.77 NCS: 7005-R50B	Steel LRV: 26.99 NCS: 4500-N	Cloud LRV: 28.57 NCS: 4010-R70B	Linen LRV: 38.59 NCS: 3010-Y30R
Glacier LRV: 42.09 NCS: 2502-B	Clay LRV: 47.97 NCS: S2502-Y	Sky LRV: 52.63 NCS: S1515-R90B	Canvas LRV: 53.27 NCS: 2005-Y30R	Jade LRV: 53.98 NCS: S2005-G	Buttercup LRV: 55.54 NCS: 1070-Y
Photoluminescent LRV: 57.59 - lit conditions	Wisp LRV: 58.17 NCS: S2000-N	Snowdrift LRV: 83.77 NCS: 0500-N			

Interior Grained Finish

Black LRV: 6.47 NCS: 7502-B	Brown LRV: 12.13 NCS: 6010-Y70R	Granite LRV: 13.44 NCS: 6502-R	Dove LRV: 23.40 NCS: 5000-N
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Standard Exterior

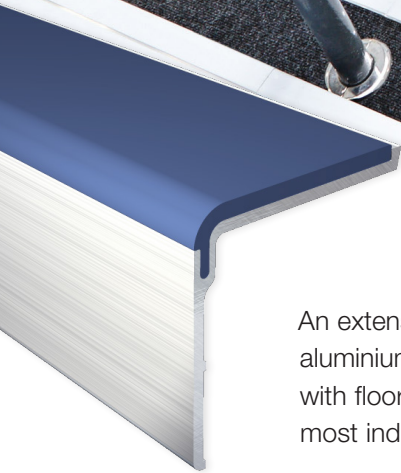
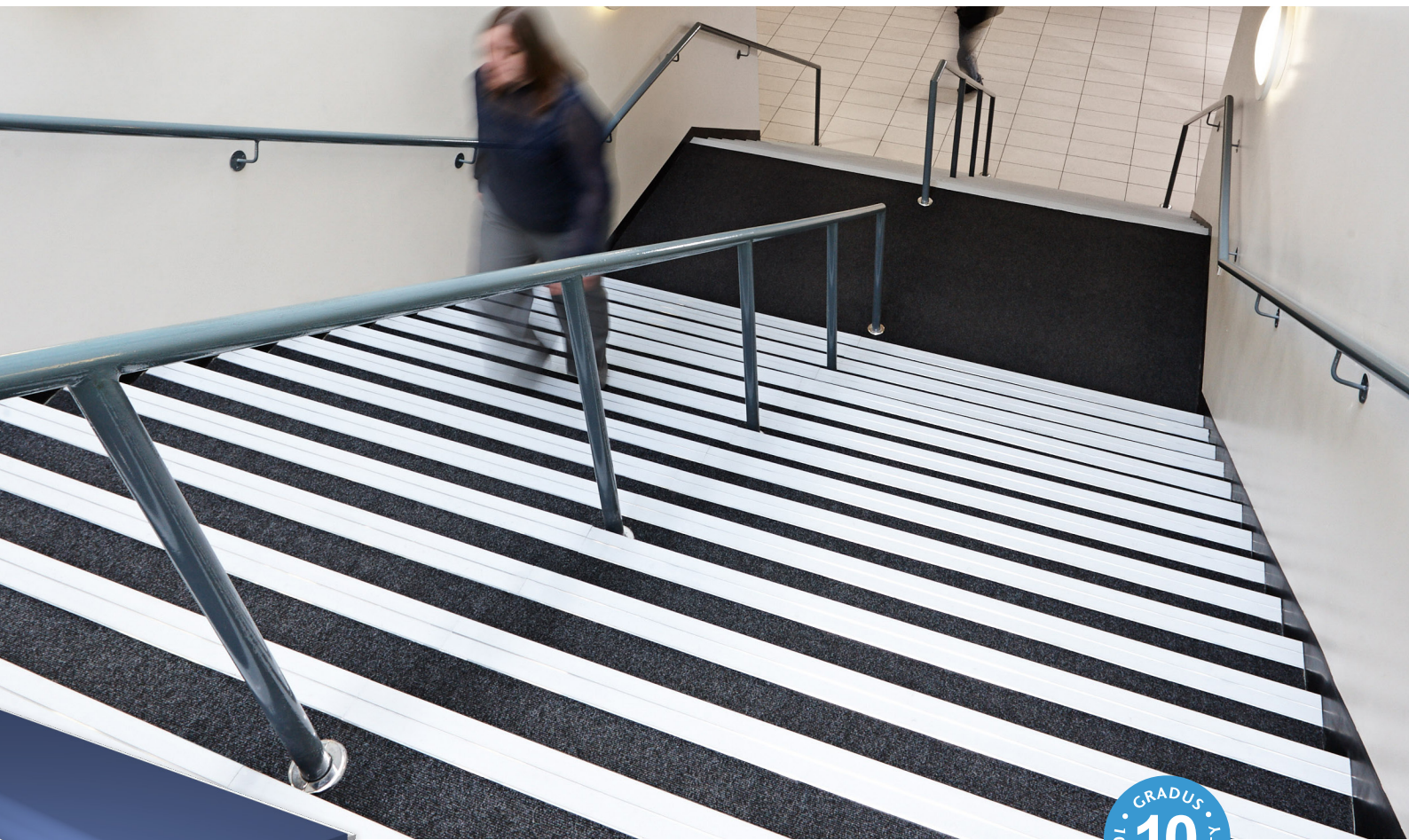
Tornado LRV: 4.49	Sandstorm LRV: 50.77	Hurricane LRV: 30.43	Blizzard LRV: 83.25
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Note:
Standard Exterior available in cut lengths only
up to 2.75m. Factory bonded insert with visible
fixings (no cover plugs). Not available curved.

Heavy Duty Exterior

Charcoal LRV: 4.07	Firestorm LRV: 43.96	Ash LRV: 24.77	Avalanche LRV: 73.00
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Aluminium - Stair Edgings



An extensive range of attractive and hardwearing stair edgings comprising aluminium channels with a choice of slip-resistant inserts. Used in conjunction with floorcoverings from all major manufacturers. Suitable for all commercial and most industrial applications.

Choice of Profile:

- XT range
- Elite range
- Traditional range



**Try our Advanced
Stair Edgings Search**

Need help selecting a stair edging?
Visit: www.gradus.com
and click-on Stair Edgings & Trims.

Information:

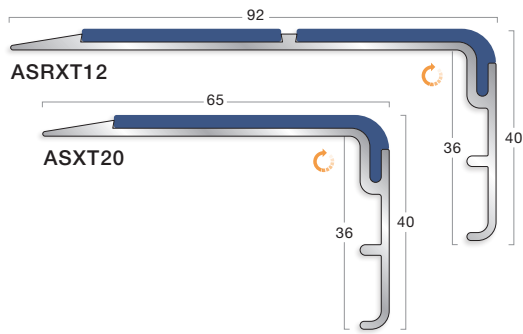
- For guidance on the correct selection of stair edgings see pages 8 to 13.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.



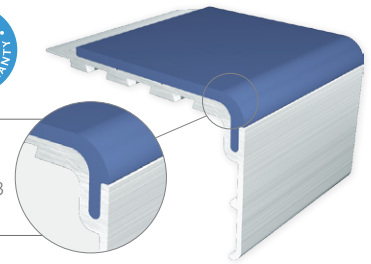
Profile can be curved subject to approval of template - contact Gradus Technical Support for further information.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



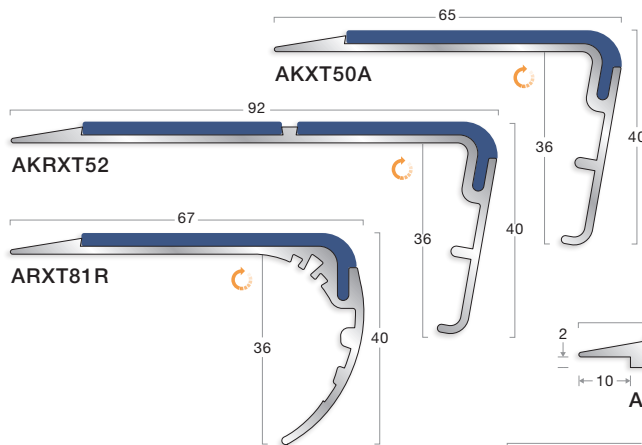
Extended insert design ensures maximum safety underfoot in line with the guidance in BRE, BS 8300:2009+A1:2010, BS 9266:2013 and BS 5395-1:2010 (pages 150 to 156)



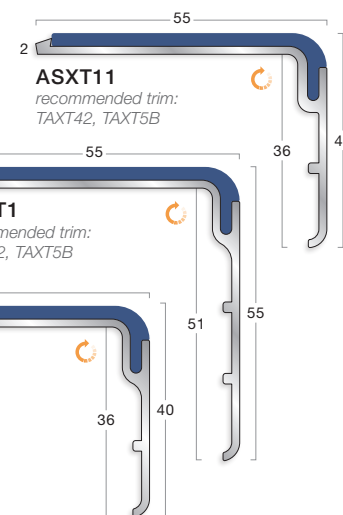
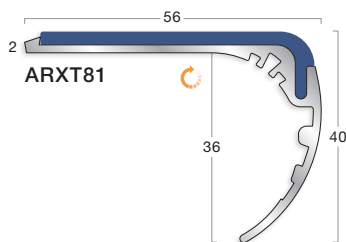
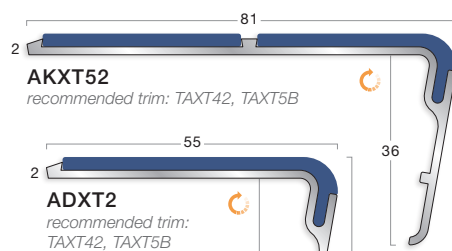
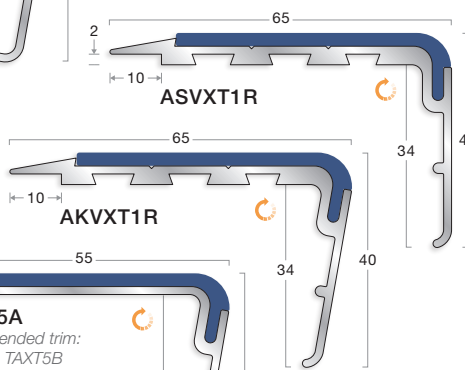
NEW Stair edging adhesive...

GRADUS GRIP

...see page 9 for details



70% of aluminium comes from 100% recycled billet



XT stair edgings available from September 2016 to download as BIM objects visit: www.gradus.com



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.

Gauge Ramp - typically used with resilient flooring or where no surface floorcoverings are used.
2mm - typically used with resilient flooring.

Trims For recommended trims see individual profiles. For further information on trims see pages 50 to 57.

Profiles Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. UK patent GB2433437B. Registered Community Design no 000465950 and 001102875.

Channel:

Aluminium

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

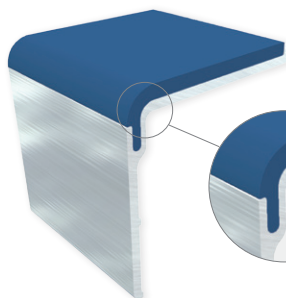
Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

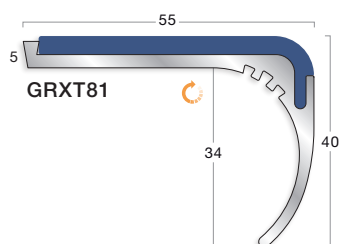
- Jet
- Ink
- Burgundy
- Coffee
- Lead
- Steel
- Glacier
- Canvas
- Clay
- Sky
- Jade
- Wisp
- Buttercup
- Snowdrift

XT™ - Aluminium

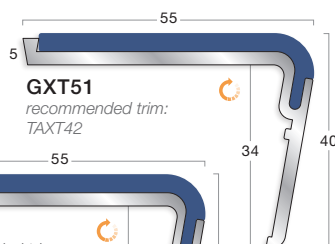


10
YEAR WARRANTY

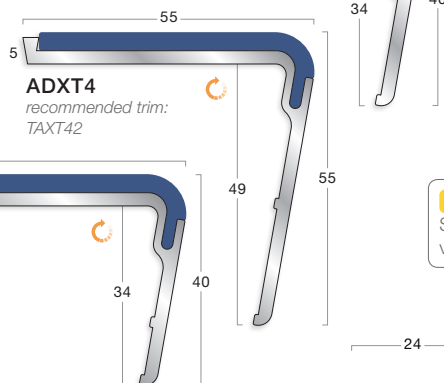
Extended insert design ensures maximum safety underfoot in line with the guidance in BRE, BS 8300:2009+A1:2010, BS 9266:2013 and BS 5395-1:2010 (pages 150 to 156)



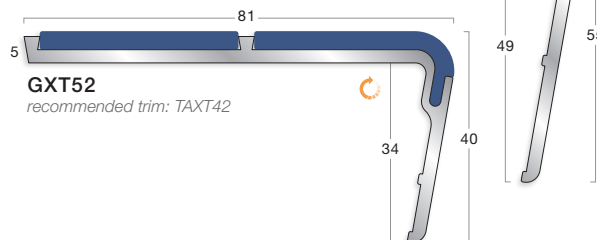
GRXT81



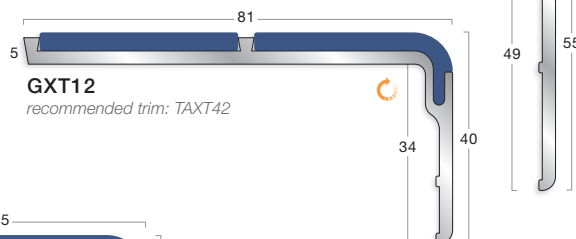
GXT51
recommended trim: TAXT42



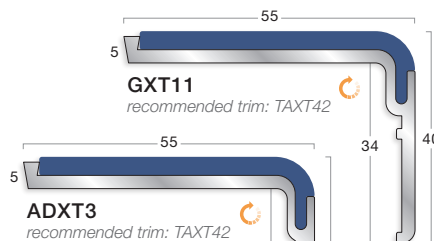
ADXT4
recommended trim: TAXT42



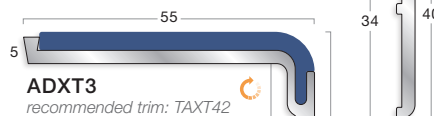
GXT52
recommended trim: TAXT42



GXT12
recommended trim: TAXT42



GXT11
recommended trim: TAXT42



ADXT3
recommended trim: TAXT42

Channel:

Aluminium

Insert options:

Xtra-grip:

(Excluding CXT profiles)

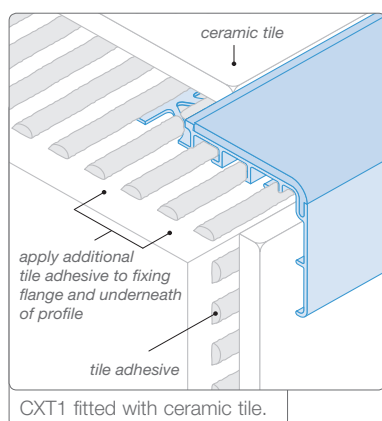
- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

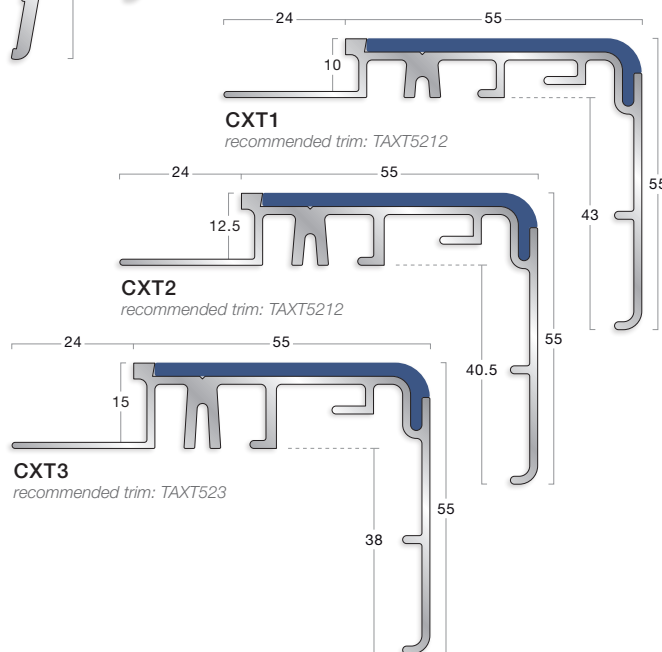
- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

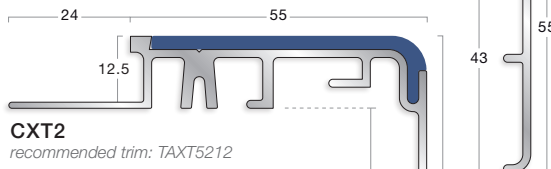
- Jet
- Ink
- Burgundy
- Coffee
- Lead
- Steel
- Glacier
- Canvas
- Clay
- Sky
- Jade
- Whisp
- Buttercup
- Snowdrift



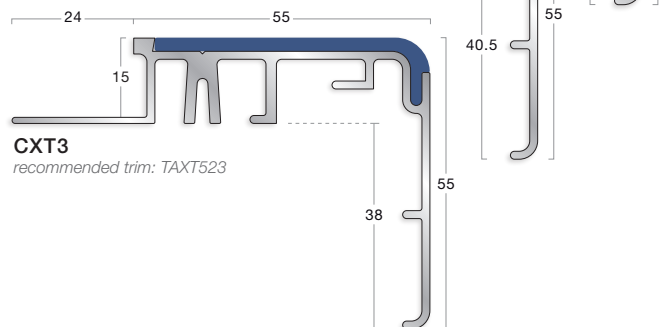
CXT1 fitted with ceramic tile.



CXT1
recommended trim: TAXT5212



CXT2
recommended trim: TAXT5212



CXT3
recommended trim: TAXT523

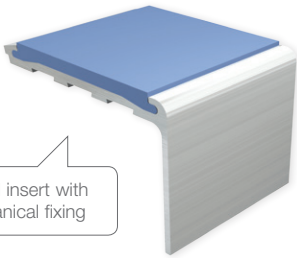


For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

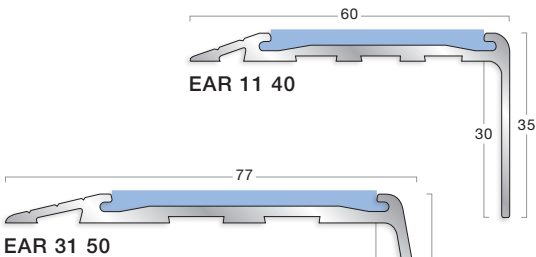
Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	5mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas. 10mm - 15mm - typically used with ceramics, stone and marble.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. UK patent GB2433437B. Registered Community Design no 000465950 and 001102875.



70% of aluminium comes from 100% recycled billet

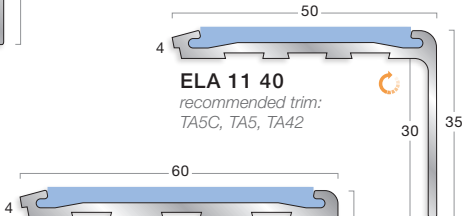


Elite stair edgings offer a secured insert with the benefit of a concealed mechanical fixing



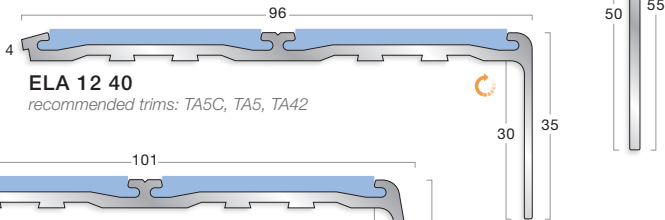
EAR 11 40

EAR 31 50

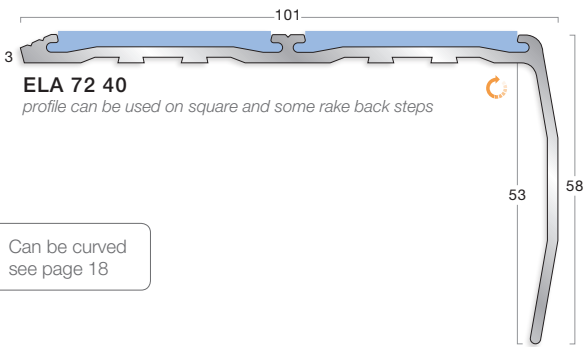


ELA 11 40
recommended trim:
TA5C, TA5, TA42

ELA 1155 50
recommended trim:
TA5C, TA5, TA42



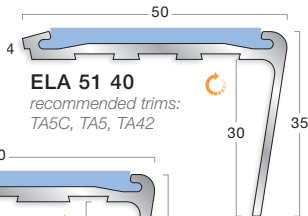
ELA 12 40
recommended trims: TA5C, TA5, TA42



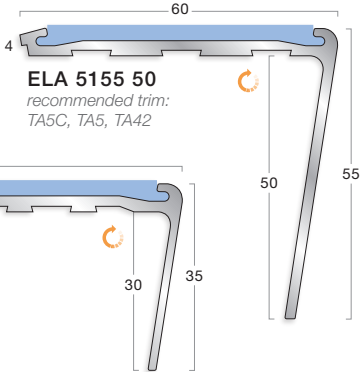
ELA 72 40
profile can be used on square and some rake back steps



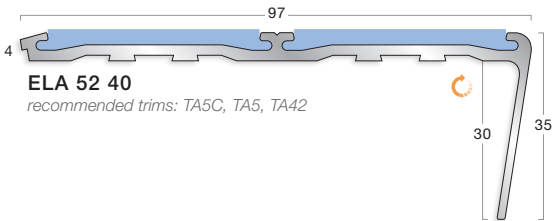
Can be curved
see page 18



ELA 51 40
recommended trims:
TA5C, TA5, TA42



ELA 5155 50
recommended trim:
TA5C, TA5, TA42



ELA 52 40
recommended trims: TA5C, TA5, TA42

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.
ELINS40 (40mm),
ELINS50 (50mm).

Channel:

Aluminium

Insert options:

Interior:

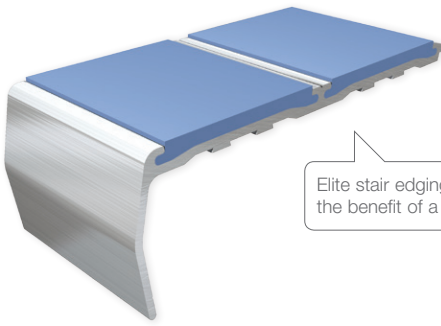
- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Snowdrift



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	Ramp - typically used with resilient flooring or where no surface floorcoverings are used. 3mm - 4mm - typically used with carpet or resilient flooring with bevelled underlay in heavy use areas.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Elite™ - Aluminium



Elite stair edgings offer a secured insert with the benefit of a concealed mechanical fixing

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.
ELINS40 (40mm),
ELINS50 (50mm).

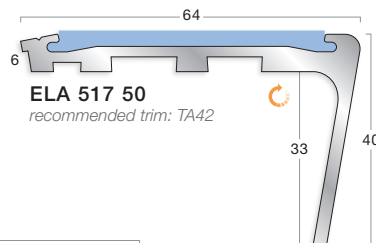
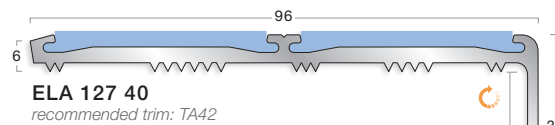
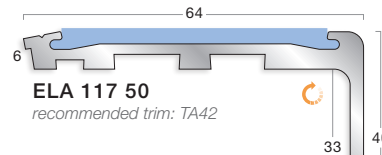
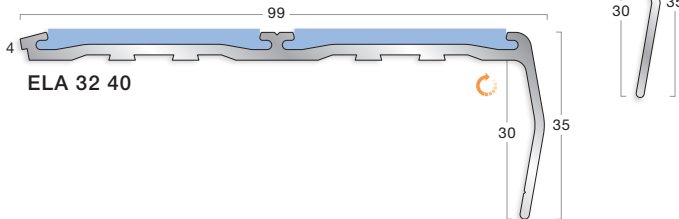
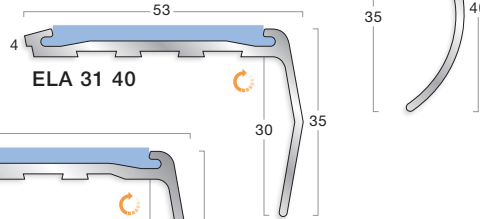
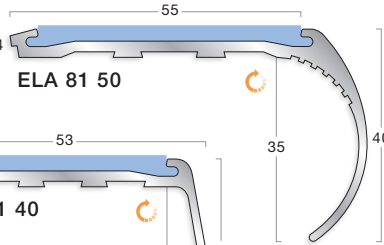
Channel:

Aluminium

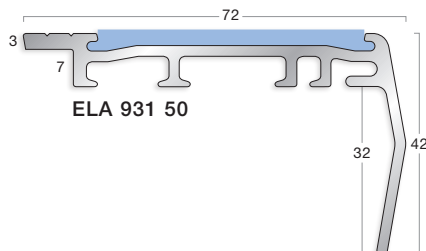
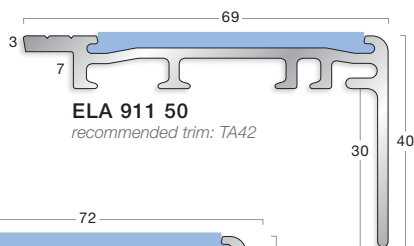
Insert options:

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Snowdrift



ELA91150 and ELA93150 for use with carpet tiles with a pre-bonded underlay.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.



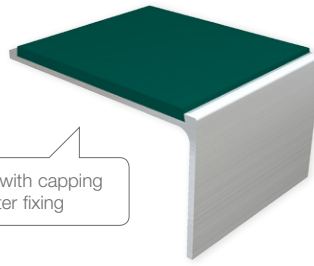
70% of aluminium comes from 100% recycled billet



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) ratings and NCS references see pages 16 to 17.
Gauge	4mm - 6mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas. 7mm - 10mm - typically used with carpet tiles with a pre-bonded underlay.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Traditional - Aluminium A range



Channel:

Aluminium

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

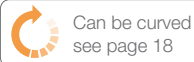
Interior Grained:

- Black
- Brown
- Granite
- Dove

Exterior:

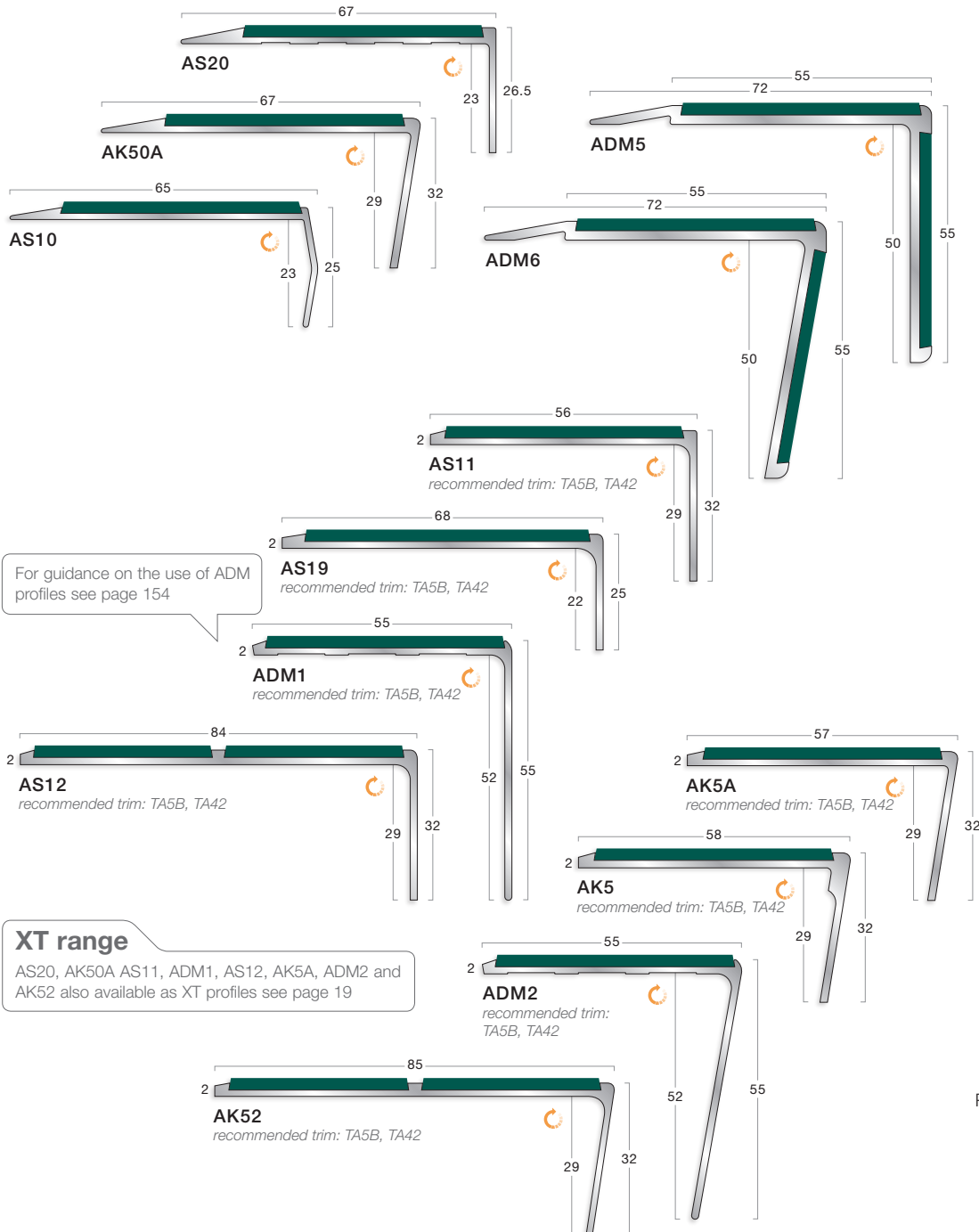
See page 17 for details

- Tornado
- Sandstorm
- Hurricane
- Blizzard



Can be curved
see page 18

Factory bonded inserts supplied with capping
plugs to conceal screw heads after fixing



XT range

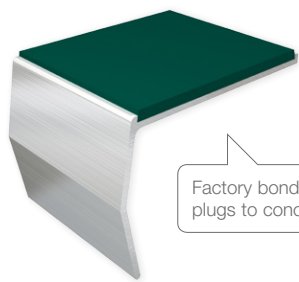
AS20, AK50A AS11, ADM1, AS12, AK5A, ADM2 and
AK52 also available as XT profiles see page 19



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	Ramp - typically used with resilient flooring or where no surface floorcoverings are used. 2mm - typically used with resilient flooring.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. ADM profiles - Community Design Registration no 000113899

Traditional - Aluminium A range



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing

Channel:

Aluminium

Insert options:

Xtra-grip:

Carbon
 Deepsea
 Truffle
 Rock
 Pebble
 Pampas
 Breeze
 Vapour
 Oat
 Zest
 Iceberg

Xtra-grip Plus:

Raven
 Navy
 Conker
 Marl
 Cliff
 Vine
 Meltwater
 Lunar
 Bone
 Sulphur
 Diamond

Interior:

Jet
 Ink
 Midnight
 Burgundy
 Evergreen
 Coffee
 Ocean
 Lead
 Cloud
 Steel
 Linen
 Glacier
 Canvas
 Buttercup
 Poppy
 Photoluminescent
 Snowdrift

Interior Grained:

Black
 Brown
 Granite
 Dove

Exterior:

See page 17 for details

Tornado
 Sandstorm
 Hurricane
 Blizzard

Available August 2016

NEW

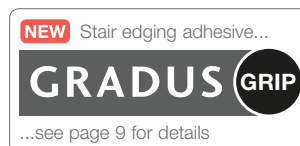
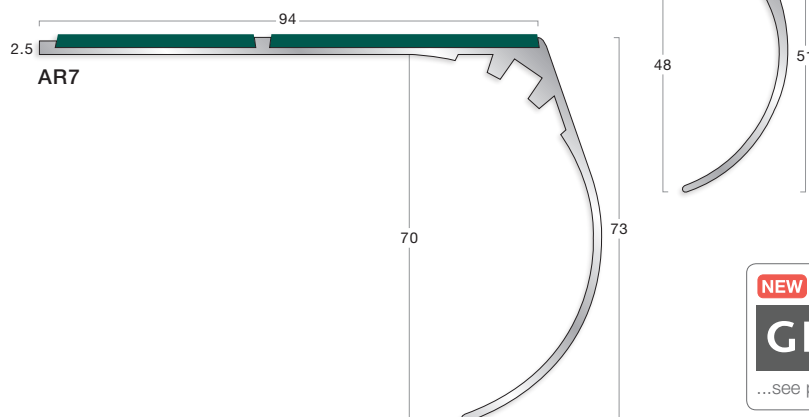
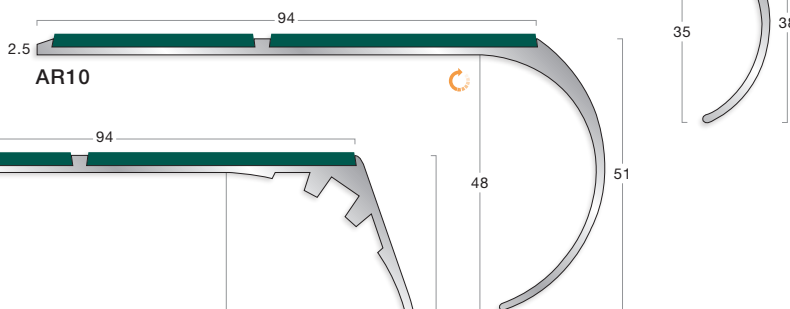
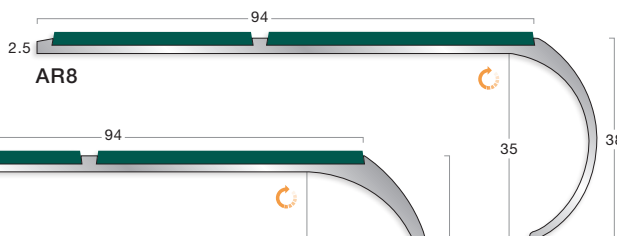
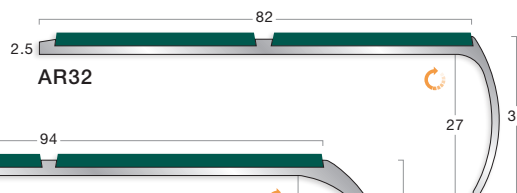
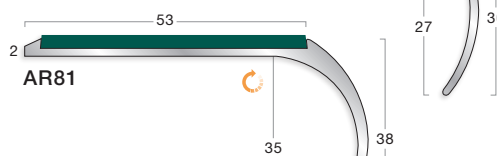
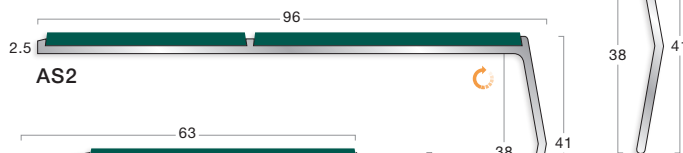
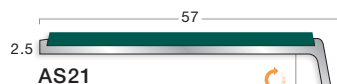
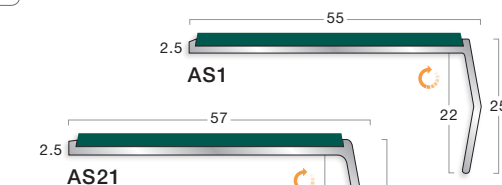
AR81R

AR3

AR81

XT range

AR81 also available as an XT profile see page 19



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

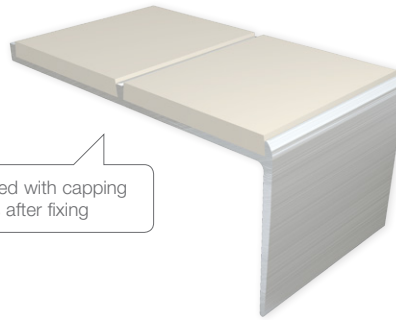
Colour For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.

Gauge 2mm - 2.5mm - typically used with resilient flooring.

Trims For recommended trims see individual profiles. For further information on trims see pages 50 to 57.

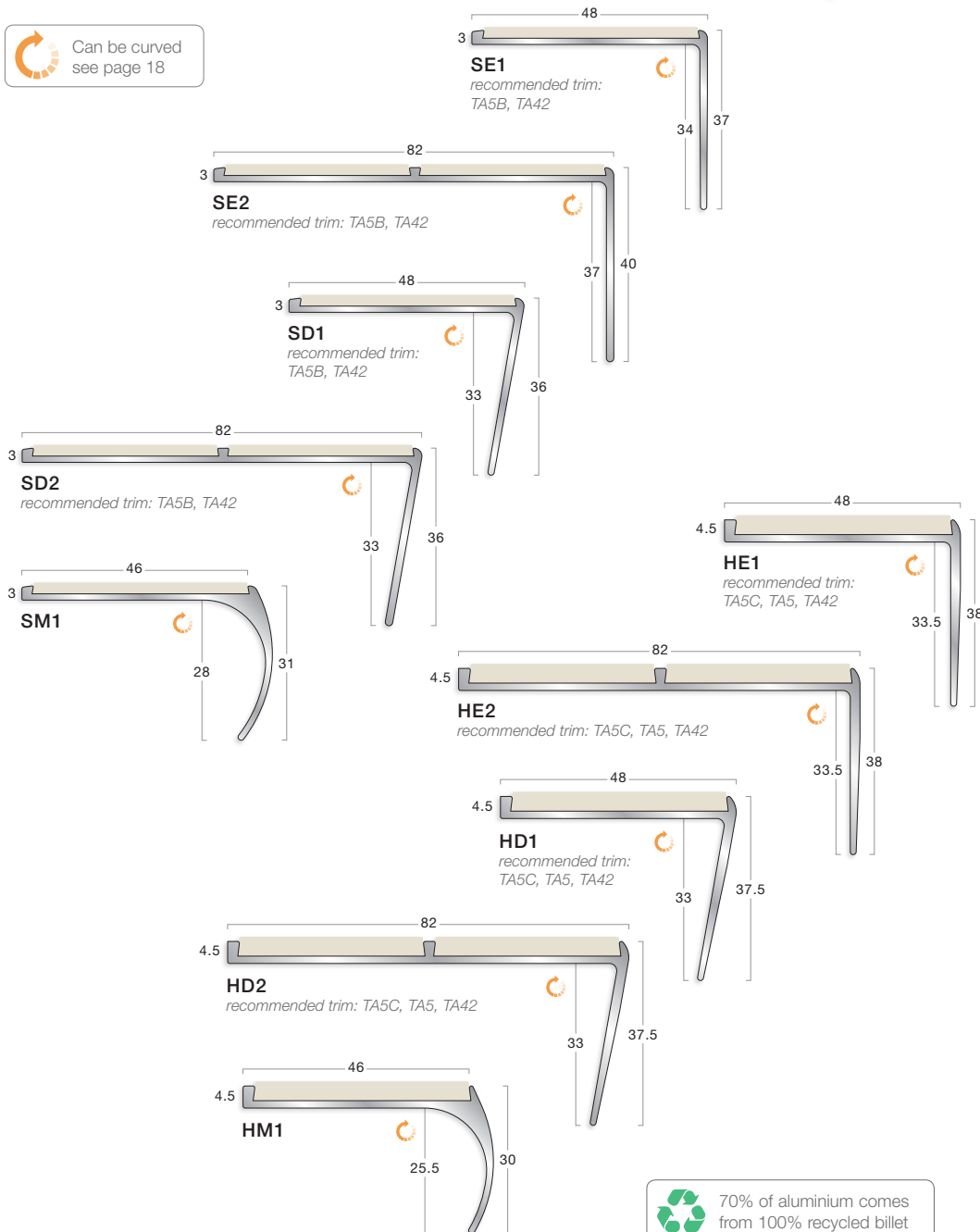
Profiles Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Traditional - Aluminium S + H range



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing

Can be curved
see page 18



70% of aluminium comes from 100% recycled billet

Channel:

Aluminium

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

Interior Grained:

- Black
- Brown
- Granite
- Dove

Exterior:

See page 17 for details

- Tornado
- Sandstorm
- Hurricane
- Blizzard



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.

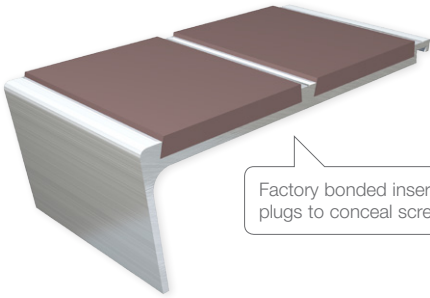
Gauge 3mm - typically used with resilient flooring.

4.5mm - typically used with carpet or resilient flooring with bevelled underlay in heavy use areas.

Trims For recommended trims see individual profiles. For further information on trims see pages 50 to 57.

Profiles Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

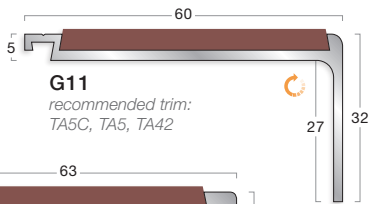
Traditional - Aluminium G range



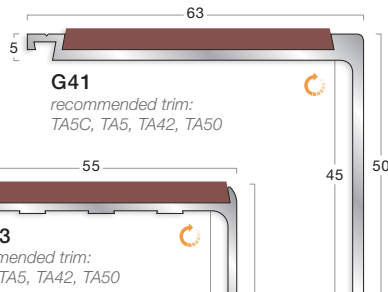
Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing

XT range

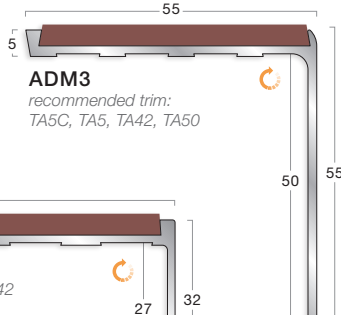
G11, ADM3, G12, G51, ADM4 and G52 also available as XT profiles see page 20



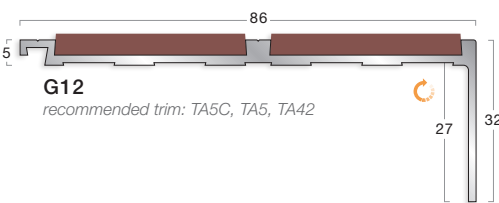
G11
recommended trim: TA5C, TA5, TA42



G41
recommended trim: TA5C, TA5, TA42, TA50

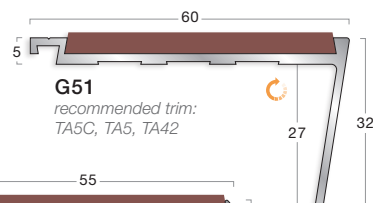


ADM3
recommended trim: TA5C, TA5, TA42, TA50

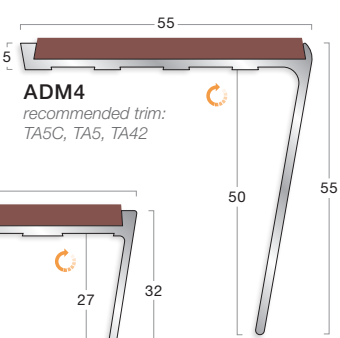


G12
recommended trim: TA5C, TA5, TA42

Can be curved see page 18

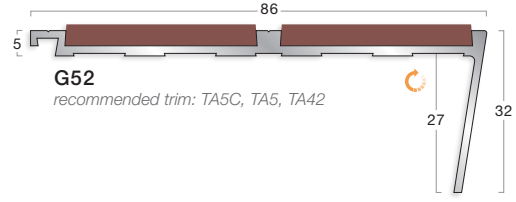


G51
recommended trim: TA5C, TA5, TA42



ADM4
recommended trim: TA5C, TA5, TA42

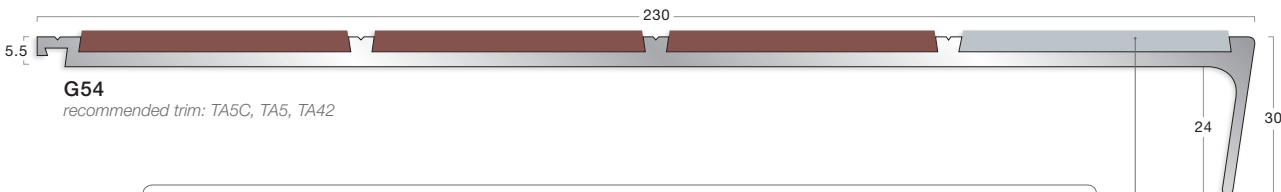
For guidance on the use of ADM profiles see page 154



G52
recommended trim: TA5C, TA5, TA42

TA9
Aluminium

Use TA9 to create a ramp back for G range stair edgings see page 56



G54
recommended trim: TA5C, TA5, TA42

Front insert should always be in a visually contrasting colour to the remaining inserts to ensure definition of the step edge. The remaining inserts must always be of the same colour and ideally match the surrounding floorcovering. The colours selected must contrast by 30 points on the LRV scale - see page 17 for insert LRVs.

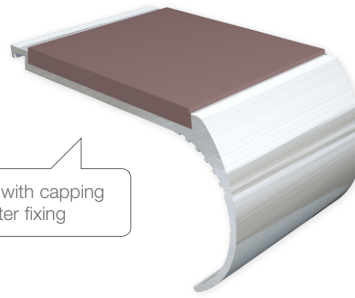


For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.	
Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	5mm - 5.5mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. ADM3 and ADM4 - Community Design Registration no 000113899

Traditional - Aluminium G range



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing



Channel:

Aluminium

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

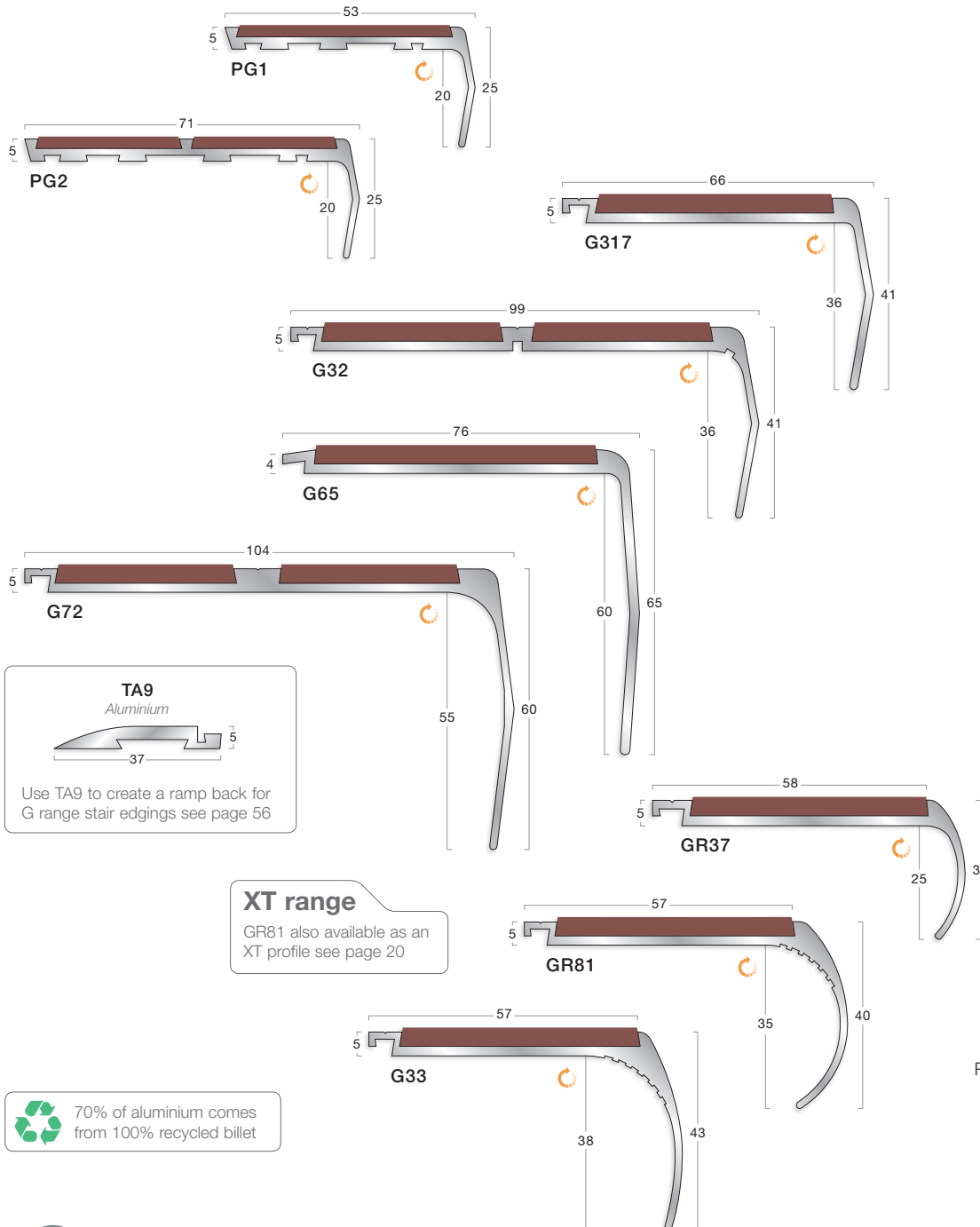
Interior Grained:

- Black
- Brown
- Granite
- Dove

Exterior:

See page 17 for details

- Tornado
- Sandstorm
- Hurricane
- Blizzard



XT range

GR81 also available as an XT profile see page 20



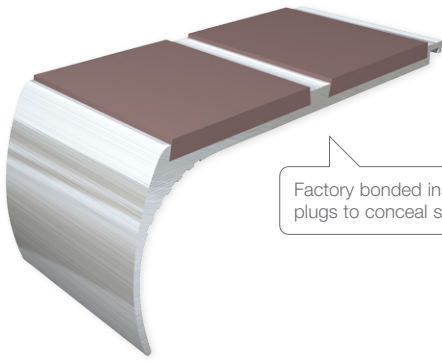
70% of aluminium comes from 100% recycled billet



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	4mm - 5mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

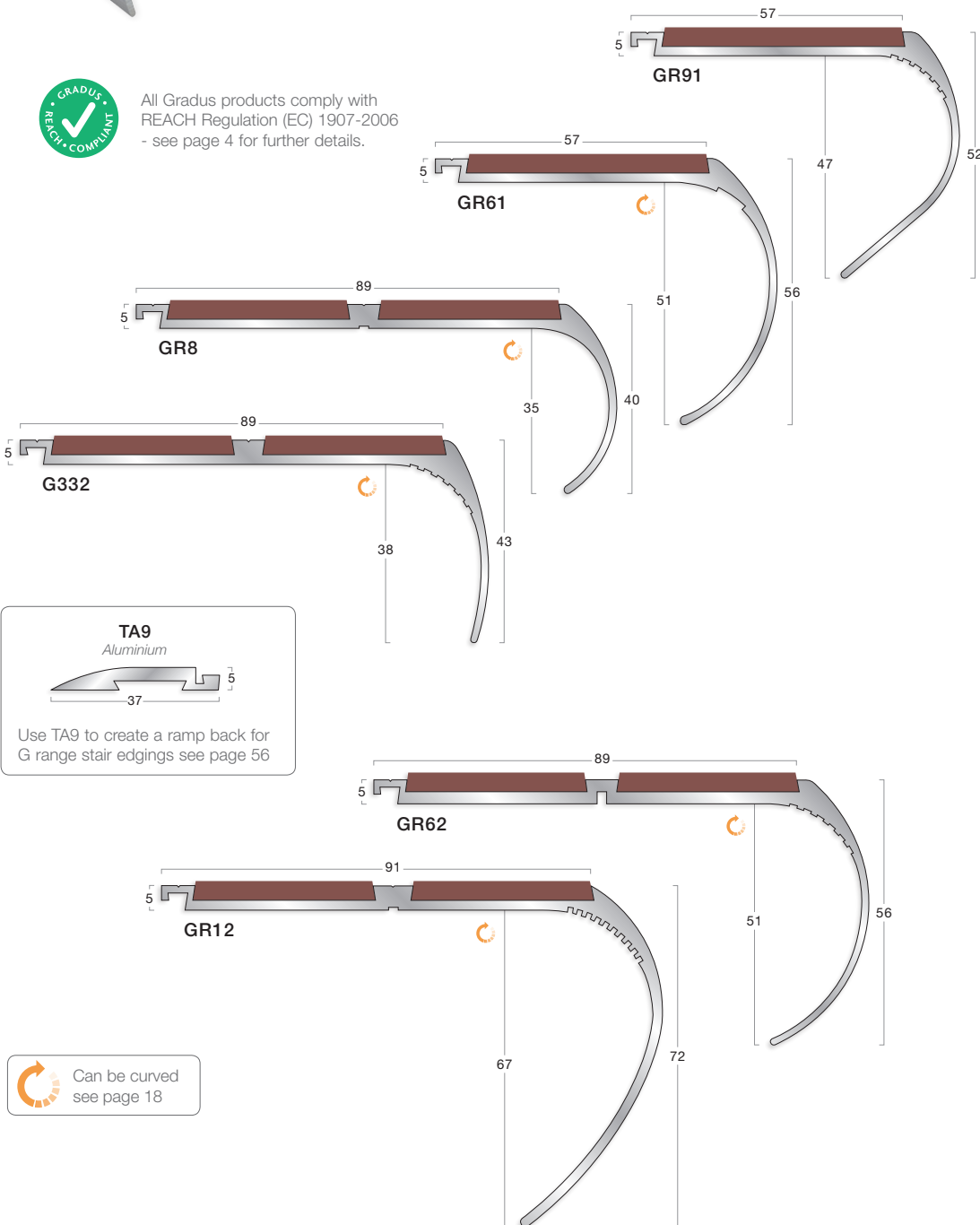
Traditional - Aluminium G range



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.



Channel:

Aluminium

Insert options:

Xtra-grip:

Carbon
Deepsea
Truffle
Rock
Pebble
Pampas
Breeze
Vapour
Oat
Zest
Iceberg

Xtra-grip Plus:

Raven
Navy
Conker
Marl
Cliff
Vine
Meltwater
Lunar
Bone
Sulphur
Diamond

Interior:

Jet
Ink
Midnight
Burgundy
Evergreen
Coffee
Ocean
Lead
Cloud
Steel
Linen
Glacier
Canvas
Buttercup
Poppy
Photoluminescent
Snowdrift

Interior Grained:

Black
Brown
Granite
Dove

Exterior:

See page 17 for details

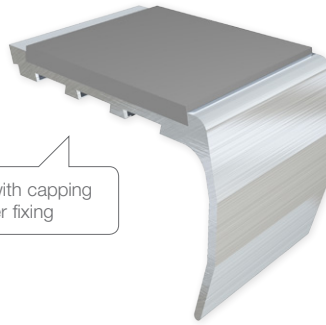
Tornado
Sandstorm
Hurricane
Blizzard



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	5mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

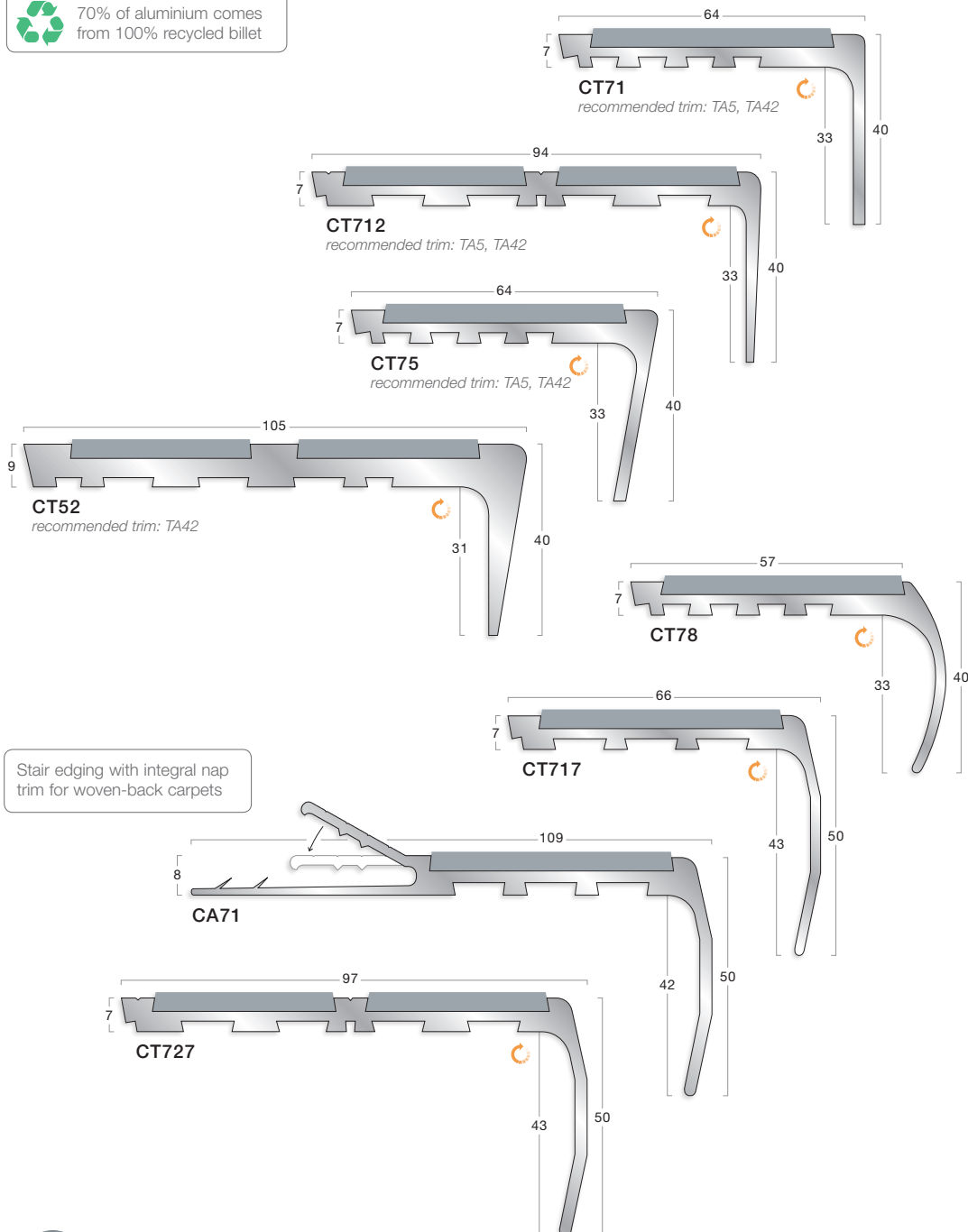
Traditional - Aluminium CT range



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing



70% of aluminium comes from 100% recycled billet



Channel:

Aluminium

Insert options:

Xtra-grip:

Carbon
Deepsea
Truffle
Rock
Pebble
Pampas
Breeze
Vapour
Oat
Zest
Iceberg

Xtra-grip Plus:

Raven
Navy
Conker
Marl
Cliff
Vine
Meltwater
Lunar
Bone
Sulphur
Diamond

Interior:

Jet
Ink
Midnight
Burgundy
Evergreen
Coffee
Ocean
Lead
Cloud
Steel
Linen
Glacier
Canvas
Buttercup
Poppy
Photoluminescent
Snowdrift

Interior Grained:

Black
Brown
Granite
Dove

Exterior:

See page 17 for details

Tornado
Sandstorm
Hurricane
Blizzard



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	7mm - 9mm - typically used with carpet, wood, ceramics and other heavy duty floorcoverings.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Trans-Edge® - Stair Edgings



A range of heavy-duty aluminium stair edgings incorporating an extremely durable, slip-resistant insert material, suitable for external and internal applications such as motorway foot bridges, railway stations, airports, sports stadia, outdoor arenas and heavy industry. Selected TEX stair edgings can also be used with tread plates and sheet material to form a heavy-duty stair and floor system - see pages 32 to 33.

Installation Advice:

- TEX3R - the front insert should always be in a visually contrasting colour to the remaining inserts to ensure definition of the step edge. The remaining inserts must always be of the same colour and ideally match the surrounding floorcovering. The colours selected must contrast by 30 points on the LRV scale - see page 17 for insert LRVs.
- TEXE1 - multiple pieces of TEXE1 can be joined together to increase slip-resistance along the tread depth. When using two or more TEXE1 extension profiles, these should be a contrasting colour to the stair edging insert to ensure step edge definition.

Information:

- For guidance on the correct selection of stair edgings see pages 8 to 13.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



Channel:

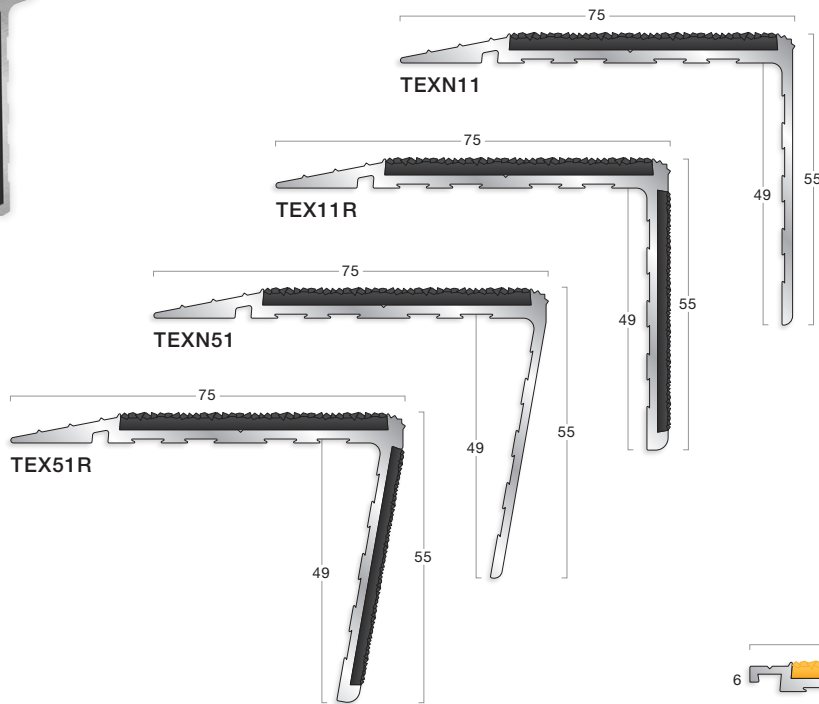
Aluminium

Insert options:

Heavy-Duty Exterior:

TEX Profiles

- Avalanche
- Ash
- Charcoal
- Firestorm

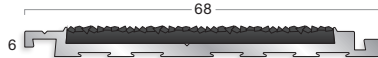


Attachable Ramp



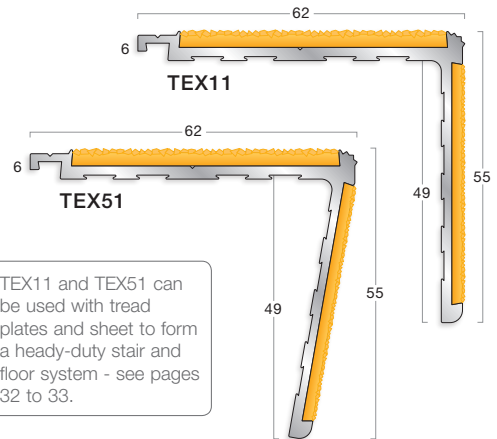
TEXR1

Attachable Extension

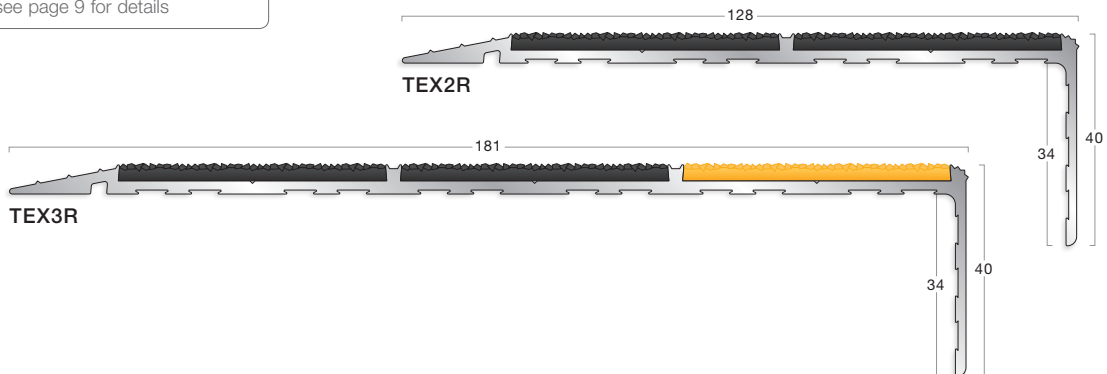
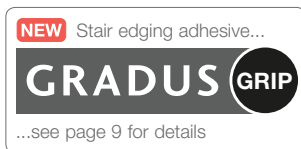


TEXE1

TEXR1 & TEXE1 available for use with TEX11 & TEX51 only.

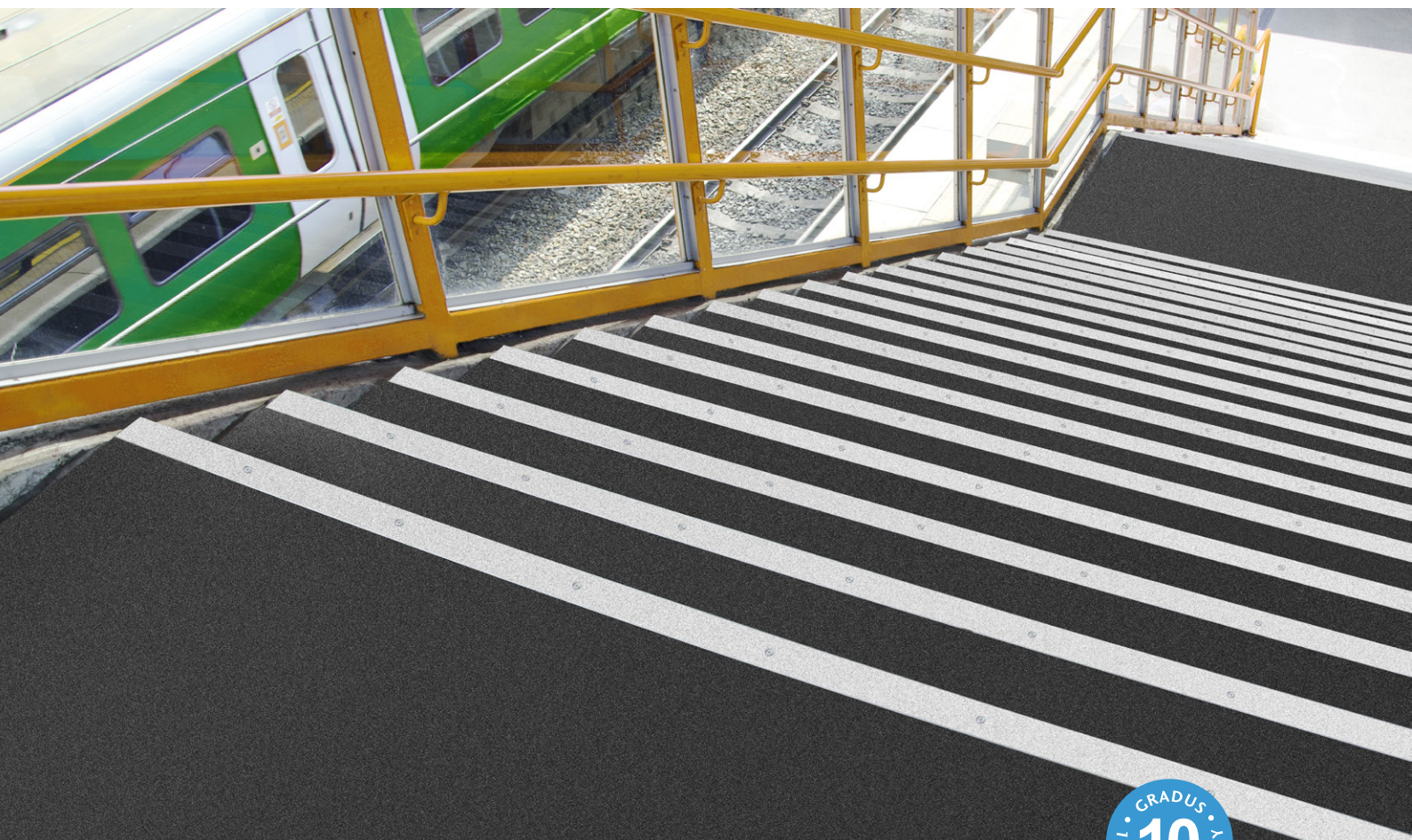


TEX11 and TEX51 can be used with tread plates and sheet to form a heavy-duty stair and floor system - see pages 32 to 33.



Channel	Available in cut lengths up to 2.75m. TEX profiles cannot be curved.
Gauge	Ramp back profiles to be surface mounted onto substrate. Flat back profiles can be set into the substrate in-situ or can be butt jointed to an existing floor finish.
Installation	Factory bonded inserts with visible fixings. Installed using adhesive and stainless steel screws (fixings not supplied).
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Trans-Edge® - Stair & Floor System



The Gradus Heavy-Duty Stair & Floor System offers a hard wearing solution to help reduce the risk of slips and trips in the most demanding environments. For use in both interior and exterior environments, this system features stair edgings and tread plates for use on stairs and sheet material for use on landings and walkways. These products can be used together to provide a slip-resistant flooring solution. Ideal for use in new build applications as well as refurbishment projects.

Installation Advice:

- Installed using adhesive and stainless steel screws (fixings not supplied/screw head covers not available).
- Stair edging insert colours for TEX11 and TEX51 should be selected to provide a 30 point LRV difference with the tread plate.

Information:

- For guidance on the correct selection of stair edgings see pages 8 to 13.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.

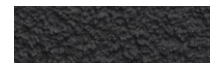


Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

Colour options:

TEXPL & TEXSH:

Charcoal
LRV: 4.07



For stair edging colour availability see page 31

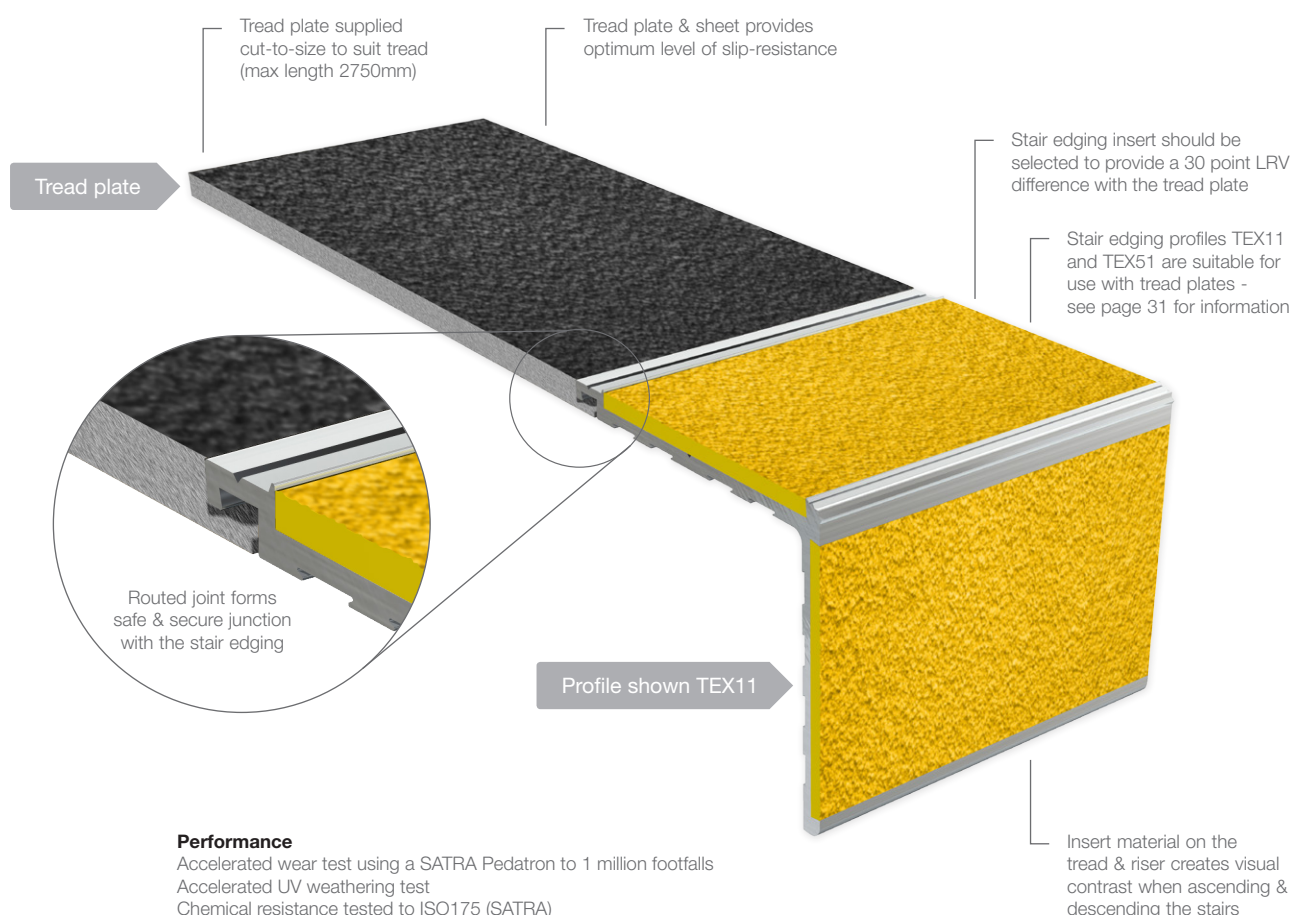
Tread Plates and Sheet:

- Tread plates (TEXPL) are supplied routed to provide a safe, neat junction with the stair edging
- TEXSH (sheet) is available routed if being used on a landing in conjunction with a TEX stair edging



Edging Ramp

- TEXCR1 is an aluminium edging strip used to provide a neat edge to sheet when used on landings and walkways
- Supplied cut to size (max length 2750mm). Available drilled on request (surcharge applies)



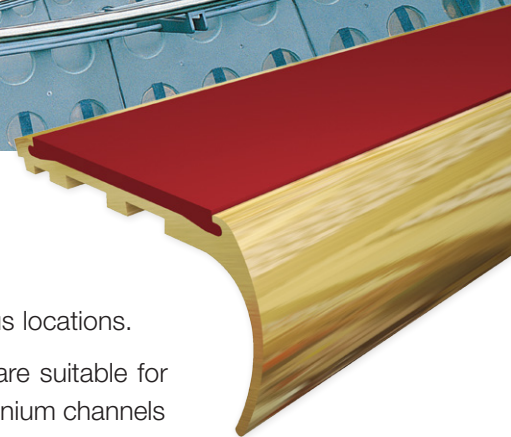
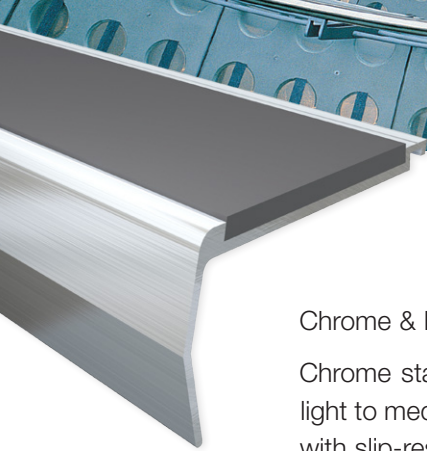
Performance

Accelerated wear test using a SATRA Pedatron to 1 million footfalls
Accelerated UV weathering test
Chemical resistance tested to ISO175 (SATRA)



Tread Plate	TEXPL – supplied cut to size (max length 2750mm). Available drilled on request (surcharge applies).
Sheet	TEXSH – supplied as sheet 1220mm x 2750mm or can be cut to size on request (surcharge applies). Must be drilled on site if required.
Stair Edgings	TEX11 & TEX51 - supplied in cut lengths up to 2750mm. Available drilled on request (surcharge applies).
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Chrome & Bronze - Stair Edgings



Chrome & Bronze stair edgings offer premium finishes for prestigious locations.

Chrome stair edgings offer an attractive, contemporary finish and are suitable for light to medium traffic interior applications. Comprise chromed aluminium channels with slip-resistant inserts.

Bronze stair edgings are ideal for use in prestigious locations such as theatres, banks & hotels, and are suitable for both interior & exterior heavy traffic applications. Comprise polished manganese bronze channels with slip-resistant inserts.

Choice of Profile:

- Elite range (Chrome subject to minimum order quantities / surcharges)
- Traditional range

Information:

- For guidance on the correct selection of stair edgings see pages 8 to 13.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.



Profile can be curved subject to approval of template - contact Gradus Technical Support for further information.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

Traditional - Chrome

Channel:

Chrome Finish Aluminium

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

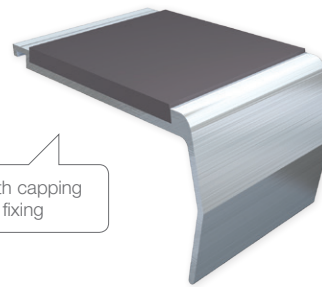
- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

Interior Grained:

- Black
- Brown
- Granite
- Dove

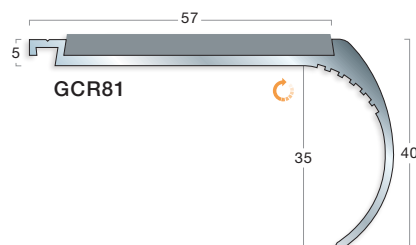
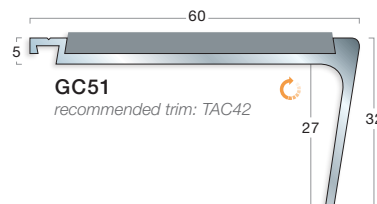
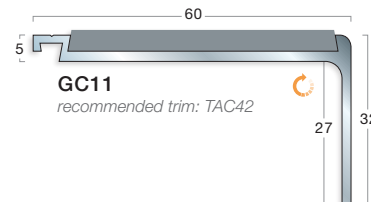


Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing



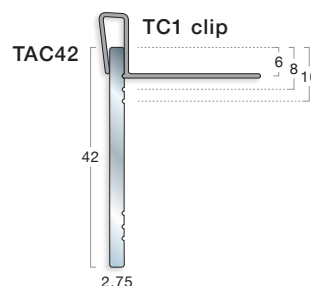
Try our Advanced Stair Edgings Search

Need help selecting a stair edging?
Visit: www.gradus.com
and click-on Stair Edgings & Trims.



In addition to the profiles shown, chrome finish is available in other aluminium stair edgings (except the XT range), subject to minimum order quantity/surcharge.

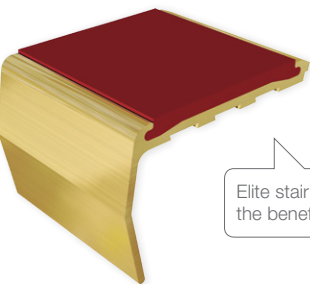
TAC42 is available as standard in 83° and 90° corners. Other angles available subject to minimum quantity/surcharge.
Welded corners should be mitre finished during installation and not butt jointed.



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	5mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
Length	Available cut to finished length only. Maximum continuous length 2m.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Elite™ - Bronze



Elite stair edgings offer a secured insert with the benefit of a concealed mechanical fixing

Elite Insert is supplied separately from the channel and must be specified separately.

The final 2 digits in the profile code indicate the width of insert required.
ELINS40 (40mm),
ELINS50 (50mm).

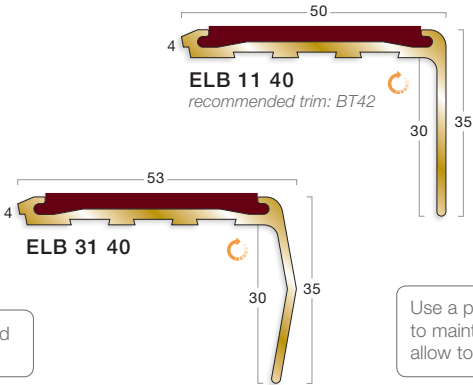
Channel:

Bronze Polished

Insert options:

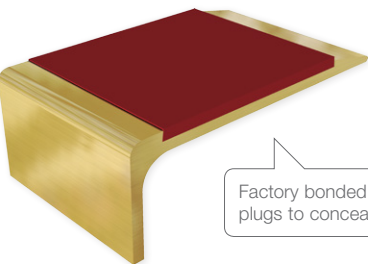
Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Snowdrift

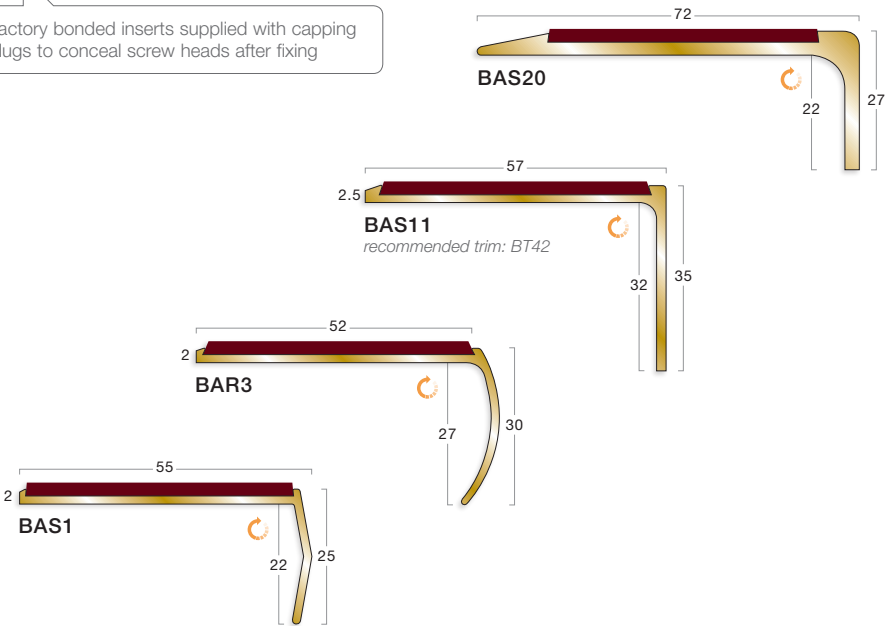


For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.	
Colour	For larger colour swatches, Light Reflectance Values (LRVs) ratings and NCS references see pages 16 to 17.
Gauge	4mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Traditional - Bronze BA range

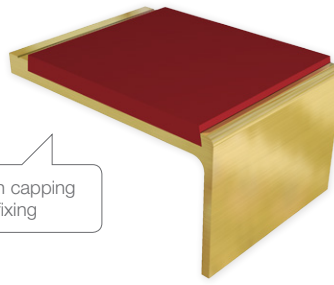


Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing



For colour options see opposite page.

Traditional - Bronze BG + BC range



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing

Channel:

Bronze Polished

Insert options:

Xtra-grip:

Carbon
 Deepsea
 Truffle
 Rock
 Pebble
 Pampas
 Breeze
 Vapour
 Oat
 Zest
 Iceberg

Xtra-grip Plus:

Raven
 Navy
 Conker
 Marl
 Cliff
 Vine
 Meltwater
 Lunar
 Bone
 Sulphur
 Diamond

Interior:

Jet
 Ink
 Midnight
 Burgundy
 Evergreen
 Coffee
 Ocean
 Lead
 Cloud
 Steel
 Linen
 Glacier
 Canvas
 Buttercup
 Poppy
 Photoluminescent
 Snowdrift

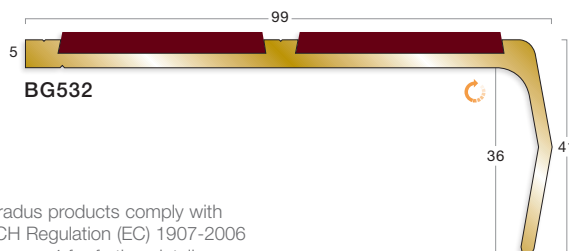
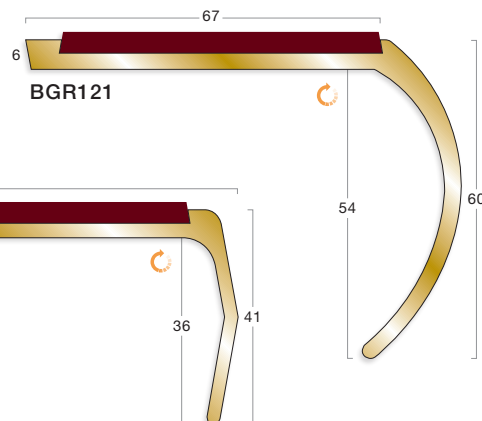
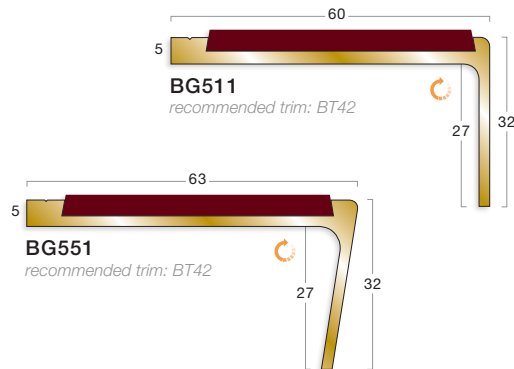
Interior Grained:

Black
 Brown
 Granite
 Dove

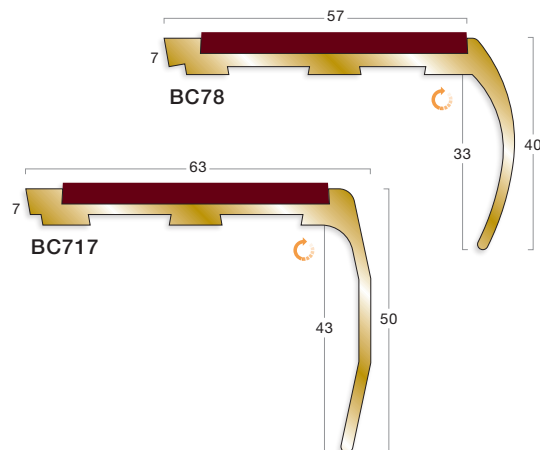
Exterior:

See page 17 for details

Tornado
 Sandstorm
 Hurricane
 Blizzard



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	Ramp - typically used with resilient flooring or where no surface floorcoverings are used. 2mm - 2.5mm - typically used with resilient flooring. 5mm - 6mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas. 7mm - typically used with carpet, wood, ceramics and other heavy duty floorcoverings.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

PVC-u Hardnose™ - Stair Edgings



Gradus Hardnose™ is an extensive range of attractive and hardwearing stair edgings comprising coloured PVC-u channels and matching slip-resistant pvc inserts. Selecting the channel and insert in the same colour provides the ideal solution for creating a single solid band of colour which visually contrasts with the surrounding floorcovering. This defines the step edge in line with Approved Documents M and K, BS 8300:2009+A1:2010, BS 9266:2013, BRE and BS 5395-1:2010 (see pages 150 to 156).

Choice of Profile:

- XT range
- Traditional range



For guidance on selecting matching channel and insert colours that provide visual contrast on both the tread and riser, see pages 148-150.

Information:

- For guidance on the correct selection of stair edgings see pages 8 to 13.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.



Profile can be curved subject to approval of template - contact Gradus Technical Support for further information.

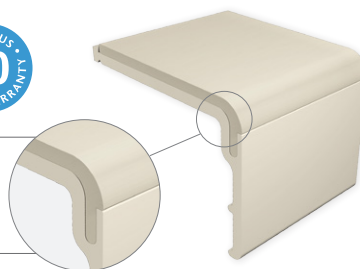


Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

XT - PVC-u Hardnose™ - Satin Finish



Extended insert design ensures maximum safety underfoot in line with the guidance in BRE, BS 8300:2009+A1:2010, BS 9266:2013 and BS 5395-1:2010 (pages 150 to 156)



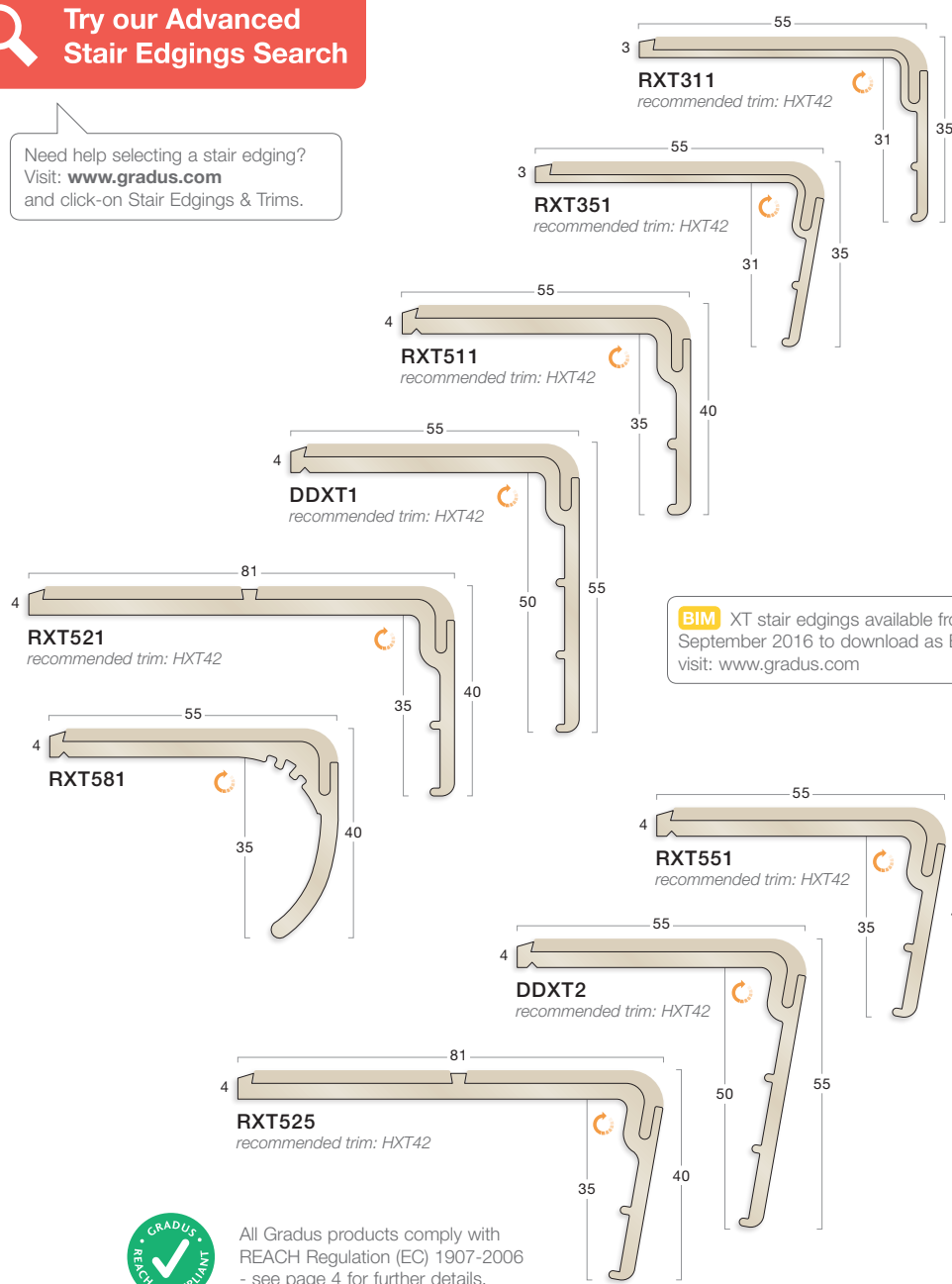
PVC-u Channel:

- Black
- Ink
- Burgundy
- Brown
- Granite
- Dove
- Glacier
- Canvas
- Clay
- Sky
- Jade
- Wisp
- Buttercup
- Snowdrift



**Try our Advanced
Stair Edgings Search**

Need help selecting a stair edging?
Visit: www.gradus.com
and click-on Stair Edgings & Trims.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

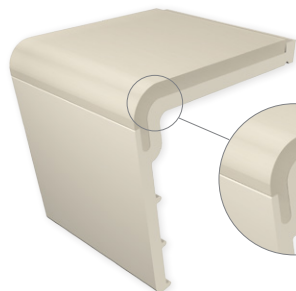
- Jet
- Ink
- Burgundy
- Coffee
- Lead
- Steel
- Glacier
- Canvas
- Clay
- Sky
- Jade
- Wisp
- Buttercup
- Snowdrift



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

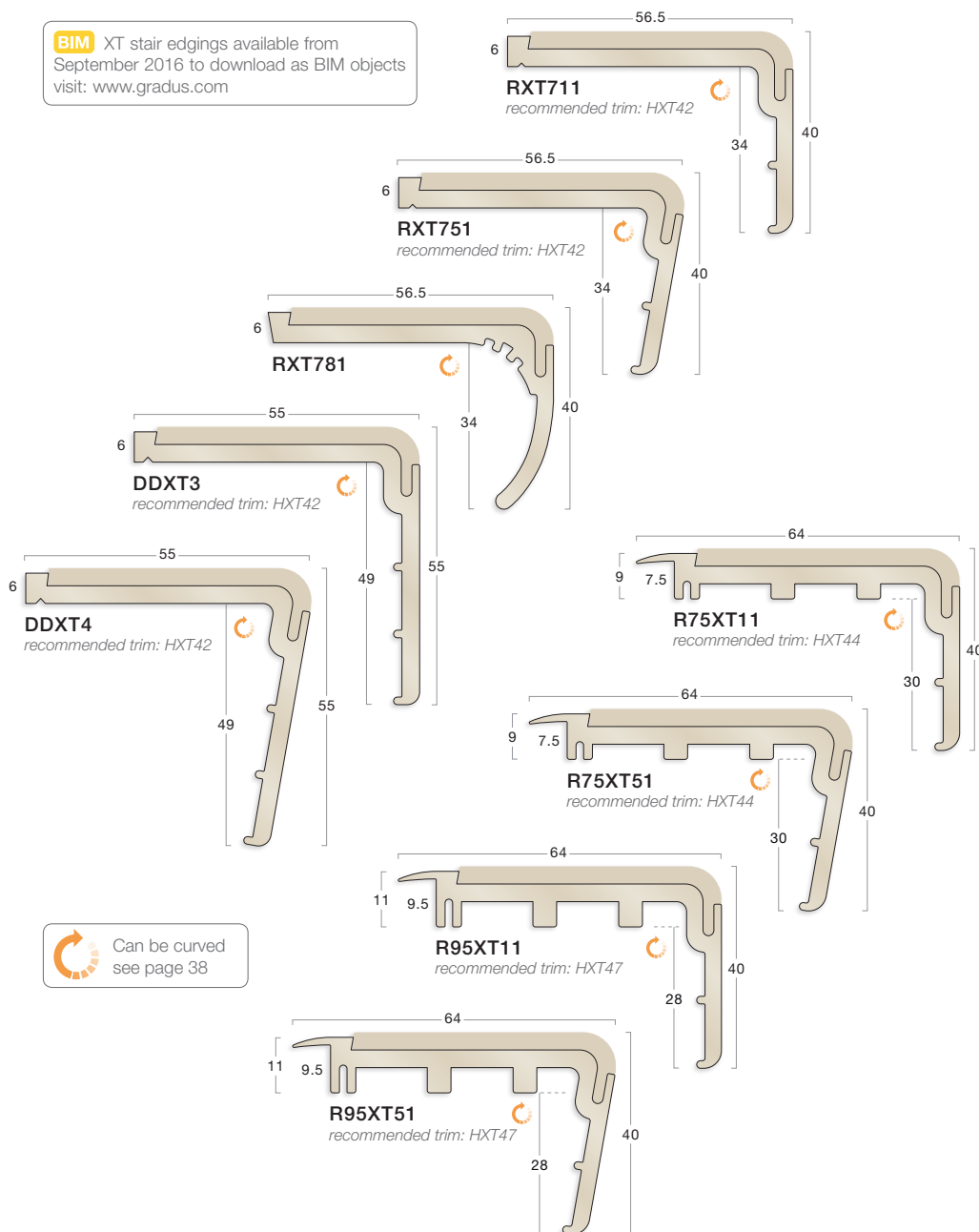
Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	3mm - typically used with resilient flooring. 4mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. UK patent GB2433437B. Registered Community Design no 000465950.

XT - PVC-u Hardnose™ - Satin Finish



Extended insert design ensures maximum safety underfoot in line with the guidance in BRE, BS 8300:2009+A1:2010, BS 9266:2013 and BS 5395-1:2010 (pages 150 to 156)

BIM XT stair edgings available from September 2016 to download as BIM objects visit: www.gradus.com



PVC-u Channel:

Black	
Ink	
Burgundy	
Brown	
Granite	
Dove	
Glacier	
Canvas	
Clay	
Sky	
Jade	
Whisp	
Buttercup	
Snowdrift	

Insert options:

Xtra-grip:

Carbon	
Deepsea	
Truffle	
Rock	
Pebble	
Pampas	
Breeze	
Vapour	
Oat	
Zest	
Iceberg	

Xtra-grip Plus:

Raven	
Navy	
Conker	
Marl	
Cliff	
Vine	
Meltwater	
Lunar	
Bone	
Sulphur	
Diamond	

Interior:

Jet	
Ink	
Burgundy	
Coffee	
Lead	
Steel	
Glacier	
Canvas	
Clay	
Sky	
Jade	
Whisp	
Buttercup	
Snowdrift	



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.

Gauge 6mm - typically used with carpet. 7.5mm - 9.5mm - typically used with comfort backed carpet.

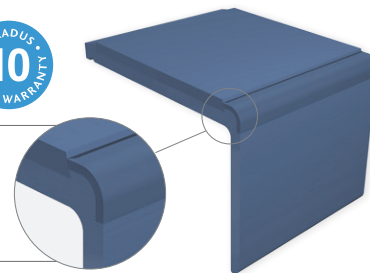
Trims For recommended trims see individual profiles. For further information on trims see pages 50 to 57.

Profiles Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. UK patent GB2433437B. Registered Community Design no 000465950.

Traditional - PVC-u Hardnose™ - Satin Finish



DDA + RNRC profiles feature an extended insert design to provide additional slip-resistance around the leading edge of the stair edging. This ensures that foot contact is always made with the slip-resistant element of the stair edging. DDA profiles are available with 55mm treads and 55mm risers to meet ADM 2004, ADK 2013, BS 8300:2009+A1:2010 BS 9266:2013 and BS 5395 guidelines.



Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

Interior Grained:

- Black
- Brown
- Granite
- Dove

XT range

DDA1, DDA2, DDA3 and DDA4 also available as XT profiles see pages 39 to 40

For guidance on the use of DDA profiles see page 150-156



For guidance on selecting matching channel and insert colours that provide visual contrast on both the tread and riser, see pages 148-150.

PVC-u Channel:

All profiles:

- Black
- Ink
- Granite
- Glacier
- Buttercup

DDA profiles also available in:

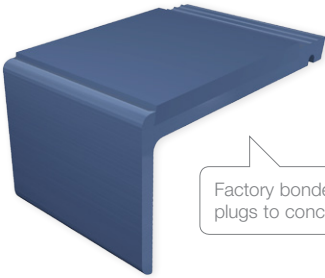
- Brown
- Bluebell
- Evergreen
- Dove
- Canvas
- Snowdrift



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	Ramp - typically used with resilient flooring or where no surface floorcoverings are used.
	4mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
	6mm - typically used with carpet.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Registered Community Design Application No.s 000188982-0001 to 0004, 000732326.

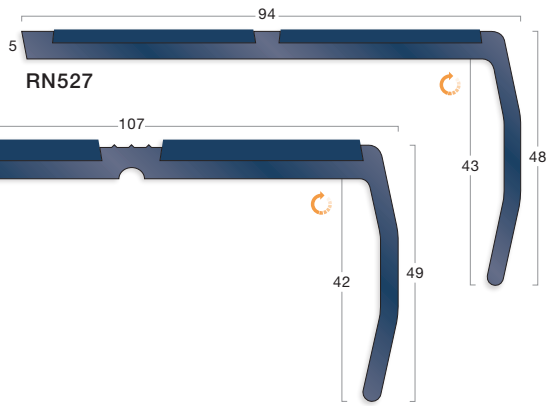
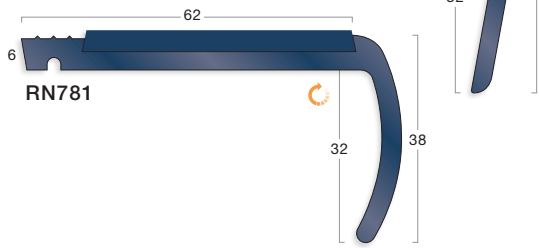
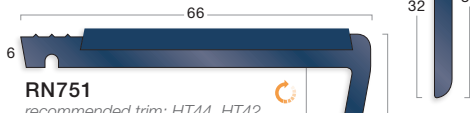
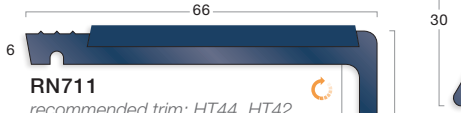
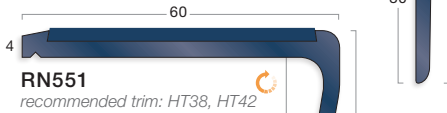
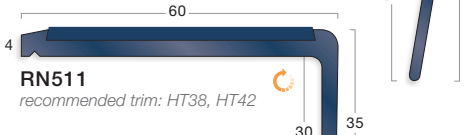
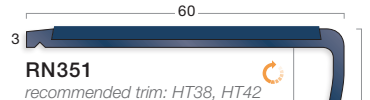
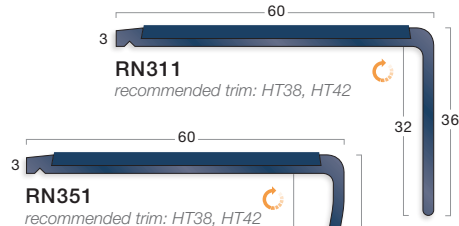
Traditional - PVC-u Hardnose™ - Satin Finish



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing

XT range

RN311, RN351, RN511, RN551, RN581, RN711, RN751 and RN781 also available as XT profiles see pages 39 to 40



Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

PVC-u Channel:

- Black
- Brown
- Ink
- Midnight
- Bluebell
- Evergreen
- Granite
- Dove
- Burgundy
- Linen
- Glacier
- Canvas
- Buttercup
- Snowdrift

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

Interior Grained:

- Black
- Brown
- Granite
- Dove



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

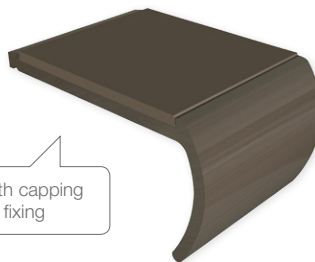
Colour For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.

Gauge 3mm - typically used with resilient flooring.
4mm - 5mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas.
6mm - 7mm - typically used with carpet.

Trims For recommended trims see individual profiles. For further information on trims see pages 50 to 57.

Profiles Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Traditional - PVC-u Hardnose™ - Metallic Finish



Factory bonded inserts supplied with capping plugs to conceal screw heads after fixing

PVC-u Channel:

- Burnt Almond
- Doubloun
- Silver
- Zinc

Insert options:

Xtra-grip:

- Carbon
- Deepsea
- Truffle
- Rock
- Pebble
- Pampas
- Breeze
- Vapour
- Oat
- Zest
- Iceberg

Xtra-grip Plus:

- Raven
- Navy
- Conker
- Marl
- Cliff
- Vine
- Meltwater
- Lunar
- Bone
- Sulphur
- Diamond

Interior:

- Jet
- Ink
- Midnight
- Burgundy
- Evergreen
- Coffee
- Ocean
- Lead
- Cloud
- Steel
- Linen
- Glacier
- Canvas
- Buttercup
- Poppy
- Photoluminescent
- Snowdrift

Interior Grained:

- Black
- Brown
- Granite
- Dove



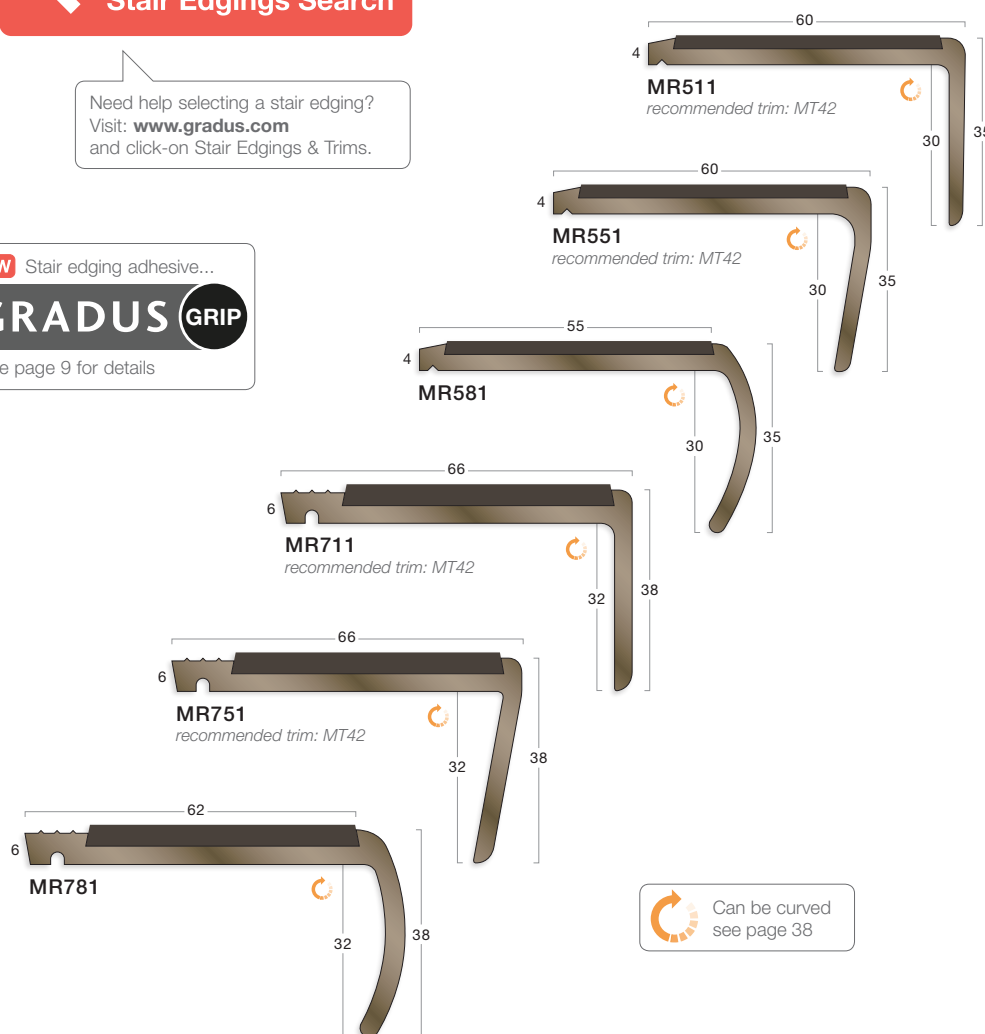
Try our Advanced Stair Edgings Search

Need help selecting a stair edging?
Visit: www.gradus.com
and click-on Stair Edgings & Trims.

NEW Stair edging adhesive...

GRADUS GRIP

...see page 9 for details



Can be curved
see page 38



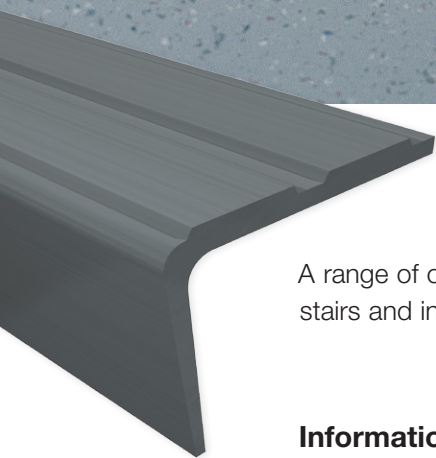
All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.



For guidance on the correct selection of stair edgings and inserts see pages 8 to 13.

Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
Gauge	4mm - typically used with carpet or resilient flooring with bevelled underlay (see page 56) in heavy use areas. 6mm - typically used with carpet.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Flexible pvc - Stair Edgings



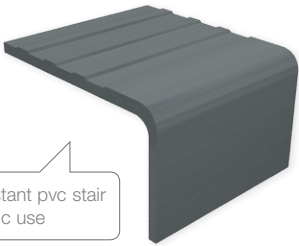
A range of one-piece slip-resistant stair edgings recommended for use on escape stairs and in other light traffic areas.

Information:

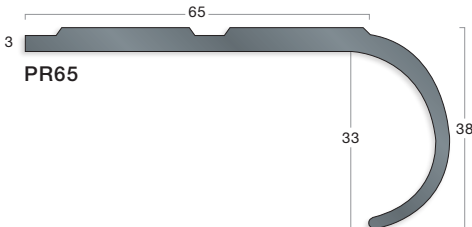
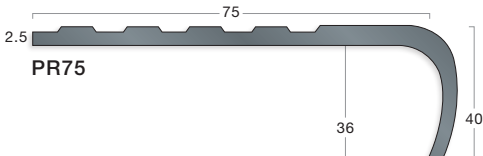
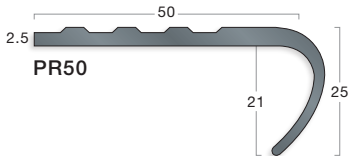
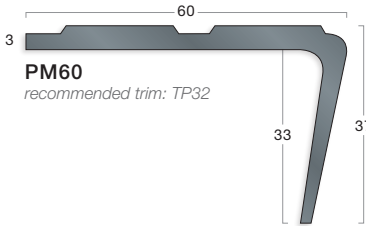
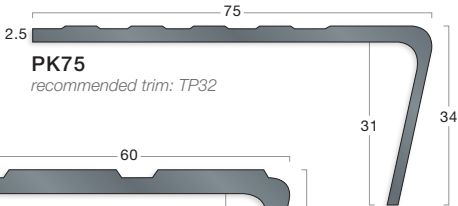
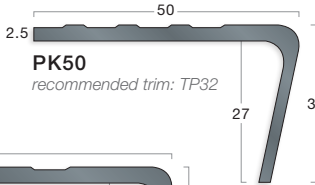
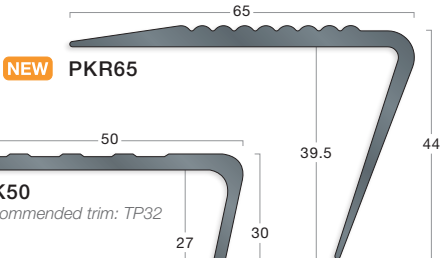
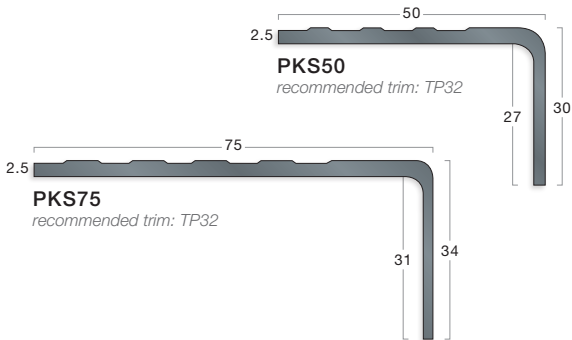
- Suitable for use in interior dry conditions.
- Supplied in 2.75m and 3.20m stock lengths.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see page 16.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



One-piece slip-resistant pvc stair edging for light traffic use



Channel:

- Black
- Brown
- Granite
- Dove
- Snowdrift



Colour	For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see page 16.
Gauge	Recommended for light traffic e.g. escape stairs. Typically used with resilient floorings.
Trims	For recommended trims see individual profiles. For further information on trims see pages 50 to 57.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Illuminated Stair Edgings



Gradus offers a range of safety and decorative lighting profiles for stairs. Profiles have been designed specifically to suit dark interior environments such as auditoria, where light is required for safety but should not detract from the primary function of the installation. By utilising LED technology, the system offers an extra low voltage (12v) alternative to mains voltage lighting.

Choice of Profile:

- XT range
- Elite range
- Traditional range

More from Gradus LED Lighting Systems:

- Aisle, row and seat lighting
- Wall lighting

To view our full range visit our website or request a brochure

Information:

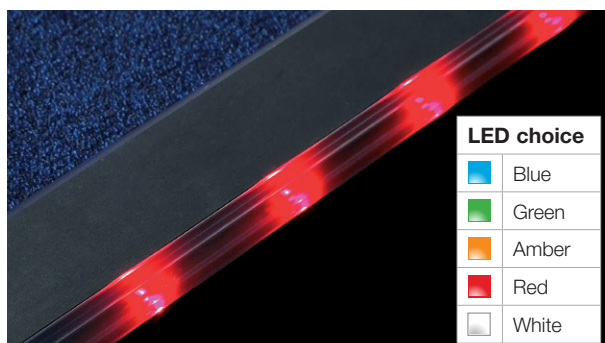
- For guidance on the correct selection of stair edgings see pages 8 to 13.
- For larger colour swatches, Light Reflectance Values (LRVs) and NCS references see pages 16 to 17.
- Design, quotation and installation service available.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

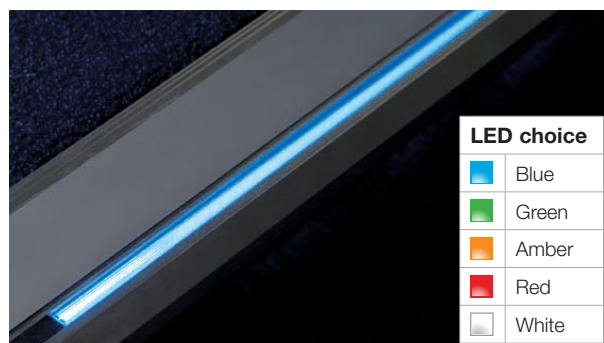
Interlok Advance™

- Interlok Advance is an LED lighting system that offers a pinpoint lighting effect
- The Interlok Advance effect is created using circuit board strips with LEDs spaced at 100mm intervals



Continuity™

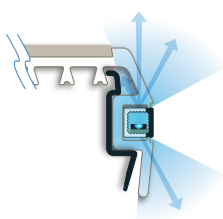
- Continuity is an LED lighting system that offers a continuous linear lighting effect for a streamlined, modern finish.
- The Continuity lighting effect is created using a fibre optic rod that is end-illuminated with high intensity LEDs



Achieving Different Lighting Effects

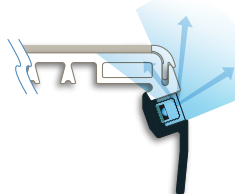
Both Continuity and Interlok are housed within a PVC tube that fits into the nosing. By rotating the PVC tube, it is possible to achieve a variety of different lighting angles and effects. Altering the position of the Interlok Advance LED strips provides further lighting options. See the below examples of the different effects that can be achieved.

PVC PROFILES



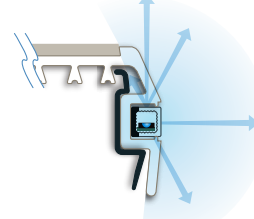
Up & Down

Clear PVC-u profile allows light to project through.
Step lighting effect available in the following profiles:
RNT1218L, RNT718L - page 48



Up & Angled

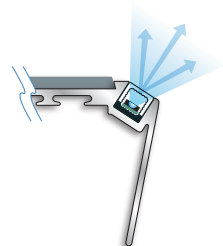
Clear PVC-u profile allows light to project through.
Step lighting effect available in the following profile:
RXT1218L - page 48



Up, Forward & Down

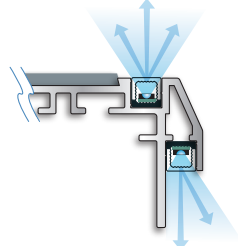
Clear PVC-u profile allows light to project through.
Step lighting effect available in the following profiles:
RNT1218L, RNT718L - page 48

ALUMINIUM PROFILES



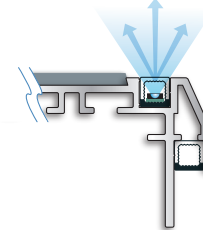
Angled Up

Aluminium profile.
Step lighting effect available in the following profiles:
ELAF5150 - page 48. ATNG71L, ELAF230 - page 49



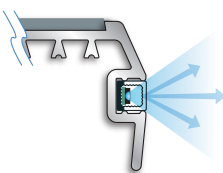
Up & Down

Aluminium profile.
Step lighting effect available in the following profiles:
ATD71L - page 48, ATD121L - page 49



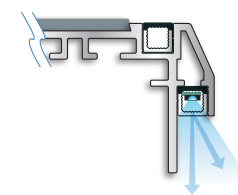
Up

Aluminium profile.
Step lighting effect available in the following profiles:
ATD71L - page 48. ATD121L, ATF71L - page 49



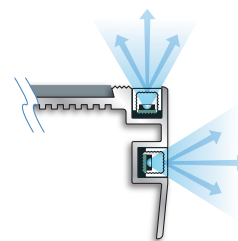
Forward

Aluminium profile.
Step lighting effect available in the following profiles:
AT718L, AS1106L, ATF71L - page 49



Down

Aluminium profile.
Step lighting effect available in the following profiles:
ATD71L - page 48, ATD121L - page 49



Up & Forward

Aluminium profile.
Step lighting effect available in the following profile:
ATF71L - page 49

To view the full range visit www.gradus.com or request a lighting brochure.

Illuminated Stair Edgings

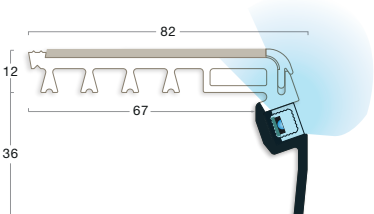
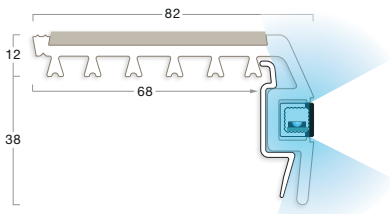
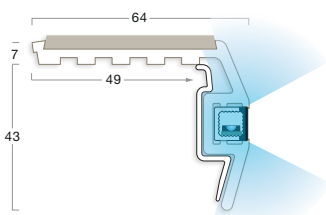
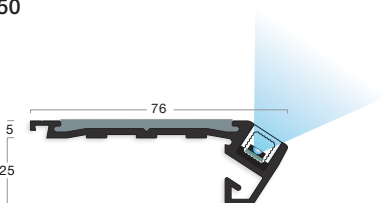
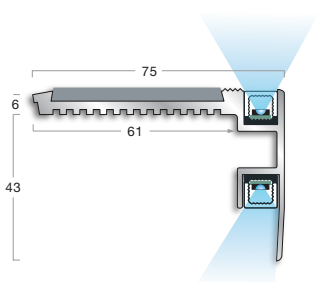
Gradus offers a range of aluminium and PVC-u stair edging profiles that can incorporate either the Continuity or Interlok Advance LED lighting systems.

PVC-u Profiles

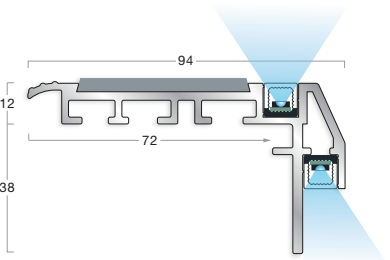
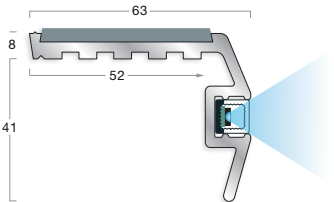
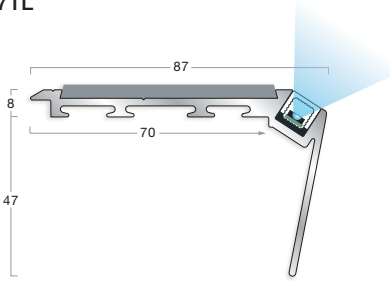
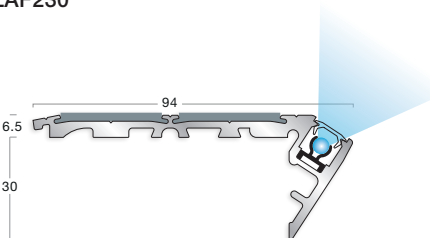
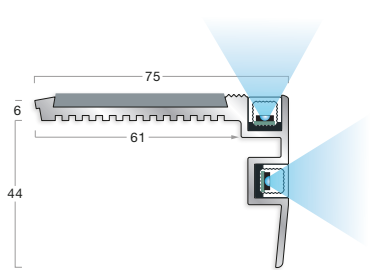
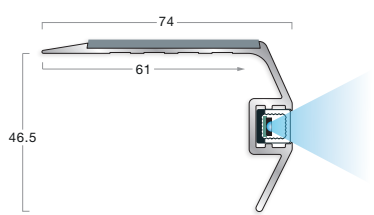
- Clear profile allows light to project through
- Illuminated stair edging is visible when ascending & descending the staircase

Aluminium Profiles

- Light is projected directly from the tube
- The angle at which the illumination is visible depends on the profile design



CODE / PROFILE	DESCRIPTION	LED COLOUR	INSERT
RXT1218L 	Clear/Coloured PVC-u Channel Up & Angled Illumination	Interlok Advance™ Continuity™	Interior
RNT1218L 	Clear PVC-u Channel Illumination on front gives all round visibility	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior
RNT718L 	Clear PVC-u Channel Illumination on front gives all round visibility	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior
ELAF5150 	Black Anodised Aluminium Channel Angled Illumination on tread / riser	Interlok Advance™ Continuity™	Interior
ATD71L NEW 	Aluminium Channel (can also be supplied anodised) Illumination on tread and/or riser	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior

Dimensions shown are nominal. Illustrations are 45% size in mm. Products subject to minor design alterations without notice.





CODE / PROFILE	DESCRIPTION	LED COLOUR	INSERT
ATD121L 	Aluminium Channel (can also be supplied anodised) Illumination on tread and/or riser	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior
AT718L 	Aluminium Channel (can also be supplied anodised) Illumination from front of profile	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior
ATNG71L 	Aluminium Channel (can also be supplied anodised) Angled illumination on tread / riser	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior
ELAF230 	Aluminium Channel Angled Illumination on tread / riser Available in black anodised / black powder coated	Interlok Advance™ Continuity™	Interior (ELINS30 insert sold separately)
ATF71L 	Aluminium Channel (can also be supplied anodised) Illumination on tread and/or riser	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior
AS1106L 	Aluminium Channel (can also be supplied anodised) Illumination from front of profile	Interlok Advance™ Continuity™	Xtra-grip Xtra-grip Plus Interior

LED choice:

Interlok Advance™ + Continuity™:








- Blue 
- Green 
- Amber 
- Red 
- White 

Channel:

- Clear PVC-u 
- Aluminium 
- Black Anodised 
- Aluminium 

Insert:


















Xtra-grip:

- Carbon 
- Deepsea 
- Truffle 
- Rock 
- Pebble 
- Pampas 
- Breeze 
- Vapour 
- Oat 
- Zest 
- Iceberg 

Xtra-grip Plus:

- Raven 
- Navy 
- Conker 
- Marl 
- Cliff 
- Vine 
- Meltwater 
- Lunar 
- Bone 
- Sulphur 
- Diamond 

Interior:

- Jet 
- Ink 
- Midnight 
- Burgundy 
- Evergreen 
- Coffee 
- Ocean 
- Lead 
- Cloud 
- Steel 
- Linen 
- Glacier 
- Canvas 
- Buttercup 
- Poppy 
- Photoluminescent 
- Snowdrift 

To view the full range visit www.gradus.com or request a lighting brochure.

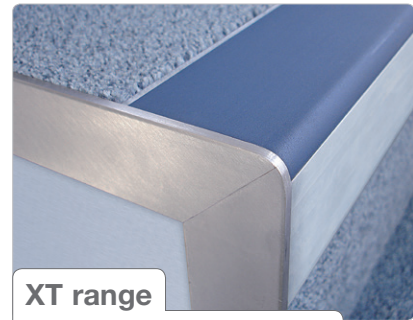
Guide to Stair Trims & Welded Corners

Description

Welded corners are designed to form a neat and attractive edge around the open end of a step by concealing the edge of the floorcovering and stair edging.

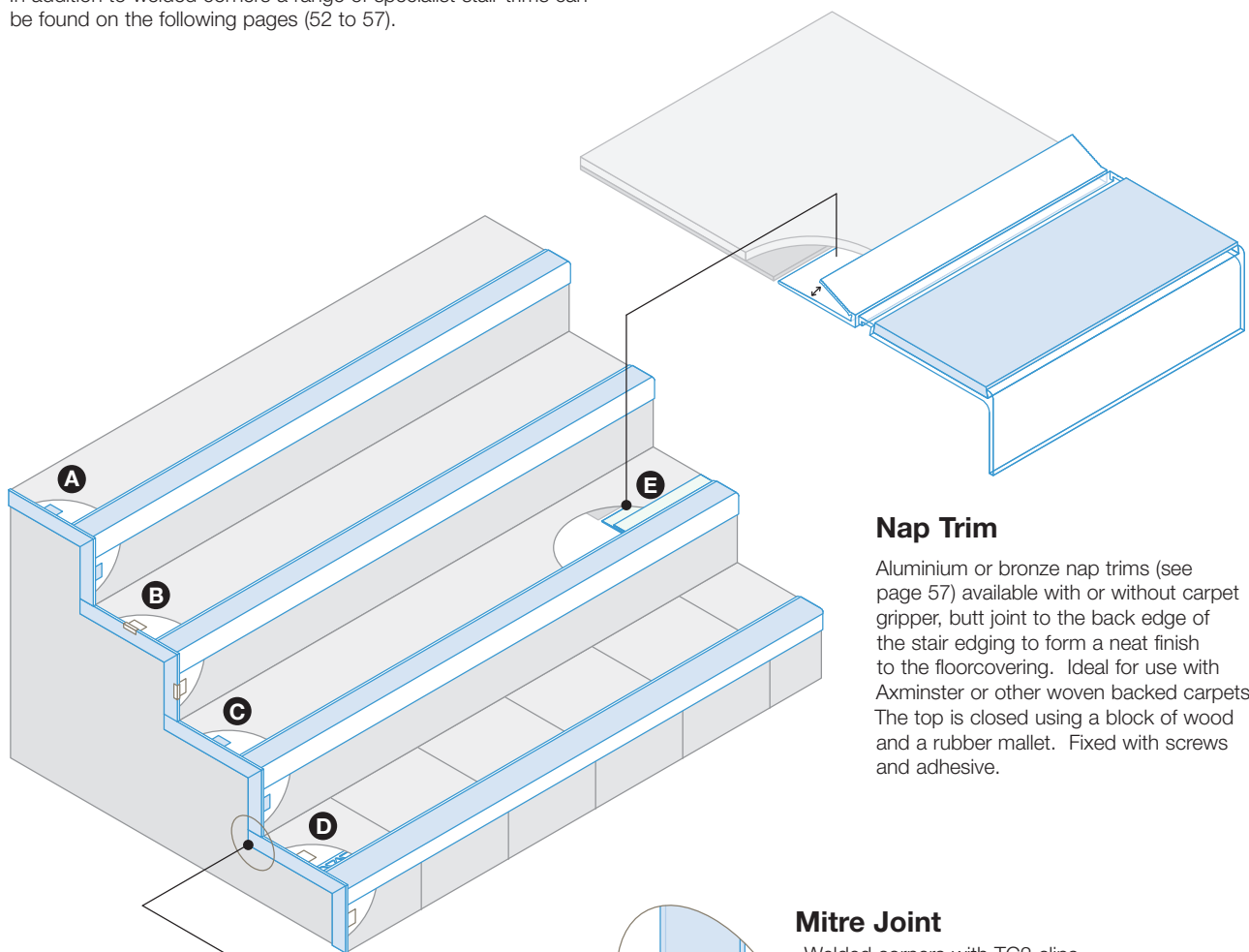
Welded corners are supplied pre-welded to suit the angle between the riser and tread of the step (78°- 90°). They are available in a variety of gauges to suit different floorcoverings. Welded corners are available with either a fixed flange or separate fixing clips as shown on the opposite page. When selecting the appropriate welded corner the thickness of the screed, the floorcovering and the combined thickness of the stair edging riser and floorcovering must be considered to ensure a neat finish. Profiles are also available in longer lengths to be used as trimming strips on landings etc.

In addition to welded corners a range of specialist stair trims can be found on the following pages (52 to 57).



XT range

For details on XT side trims and welded corners refer to page 54 (Aluminium and PVC-u Hardnose).



Nap Trim

Aluminium or bronze nap trims (see page 57) available with or without carpet gripper, butt joint to the back edge of the stair edging to form a neat finish to the floorcovering. Ideal for use with Axminster or other woven backed carpets. The top is closed using a block of wood and a rubber mallet. Fixed with screws and adhesive.

Mitre Joint

Welded corners with TC2 clips must be mitred. TAC42, TAXT5212 and TAXT523 should also be mitred.

Type of Jointing

Butt Joint

Two adjoining welded corners can be butt jointed for all corners with TC1 clips and fixed tabs (except TAC42).

Note

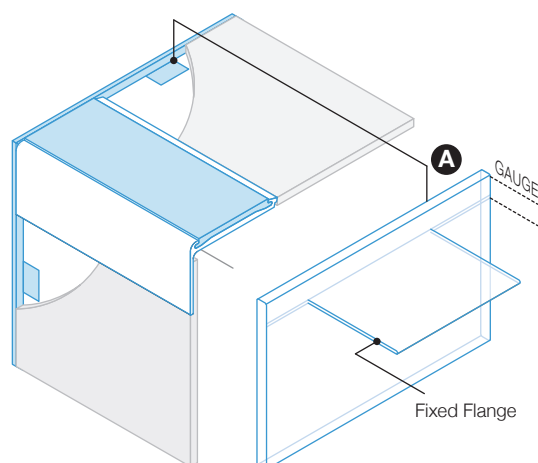
To achieve an optimum finish the angle between each riser and tread should be the same. Remedial work may need to be undertaken prior to installation to achieve this.

4 Designs to Choose From

Welded Corner with Fixed Flange

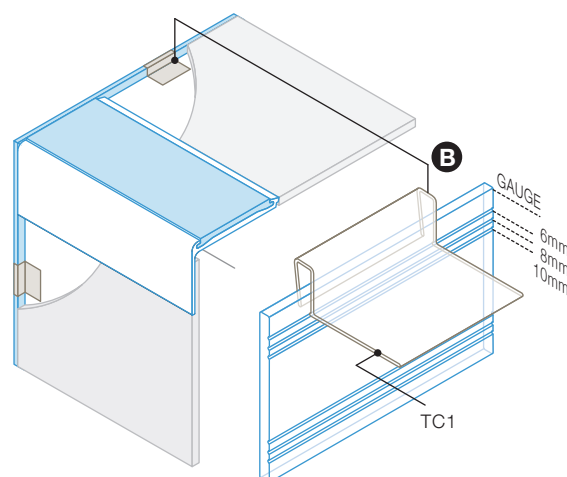
Welded corners are fabricated using a trimming strip of the correct gauge to suit the thickness of the floorcovering. Different types of trimming strip can be combined on the tread and riser to accommodate the combined thickness of the floorcovering and riser of the stair edging e.g. TA5B (tread)/TA5 (riser). Welded corners are fixed with a proprietary cartridge adhesive.

Note: the use of a latex screed to disguise the fixing flange may be required when using vinyl or linoleum (see page 52).



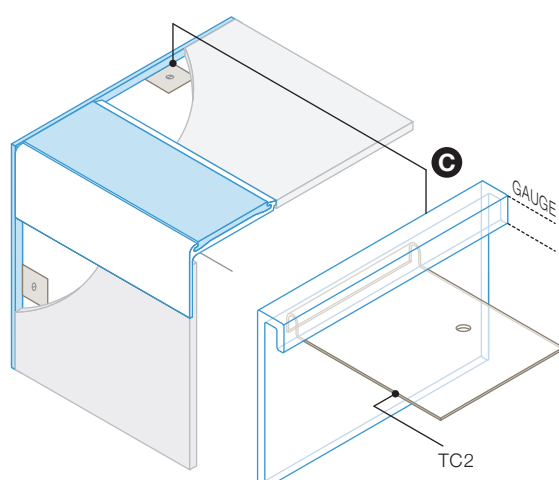
Welded Corner with TC1 Clips

HT42, HXT42, MT42, TA42, TAC42 and TAXT42 all use the TC1 clip which is adjustable to provide an upstand of 6mm, 8mm or 10mm on the tread or riser. The clip is positioned in one of the grooves using two clips per tread and one per riser and the side trim is then fixed on with proprietary cartridge adhesive. When this has cured the clip is removed. Different clip positions can be used on the tread and riser to allow for the combined thickness of the floorcovering and riser of the stair edging (see page 53).



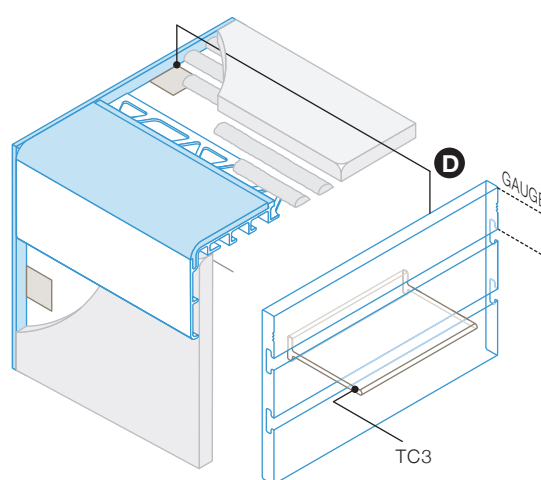
Welded Corner with TC2 Clips

TA50, TA66 and BT42 all use the TC2 clip which is made from spring steel and is used in approximately the same positions as TC1 but is left in position after the proprietary cartridge adhesive cures (see page 53).



Welded Corner with TC3 Clips

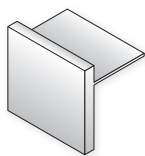
TAXT5212 and TAXT523 utilise aluminium TC3 clips that slide on to the profile using the locating grooves to form the flange. The clips provide a gauge of either 10mm, 12.5mm or 15mm to work with CXT1, CXT2 or CXT3 stair edgings. The TC3 fixing clips (tabs) remain in place once the side trim has been installed (see page 54).



FREE

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Stair Trims

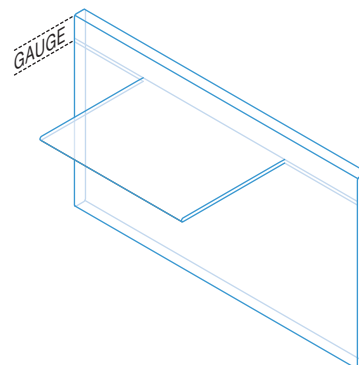


Welded Corners and Trimming Strips with Fixed Flange

Section	Gauge	Stock Lengths	78° – 90° LH or RH	83° & 90° Universal	Fixed Tabs	Site Join
TA1	2.5mm	2.75m	-	-	✓	-
TA2C	5mm	2.75m	-	-	✓	-
TA5	6.5mm	2.75m	✓	✓	✓	butt
TA5B*	3.5mm	2.75m	✓	✓	✓	butt
TA5C	5mm	2.75m	✓	-	✓	butt
TP32	4mm	2.75m	-	-	✓	butt
HT38	5mm	2.75m	✓	✓	✓	butt
HT44*	10mm	2.75m	✓	✓	✓	butt
HT47**	12mm	2.75m	-	-	✓	butt

*TA5B and HT44 can be supplied as TAXT5B and HXT44 - pre-formed welded corners with a rounded edge to complement the curved edge design of the XT stair edging profiles (see page 54).

**HT47 is only supplied as a pre-formed welded corner with a rounded edge to complement the curved edge design of the XT stair edging profiles - code HXT47 (see page 54).



Colour options:

Metals:

Aluminium	
Chrome Finish Aluminium	
Bronze	

PVC-u (HT):

Black	
Ink	
Brown	
Bluebell	
Granite	
Dove	
Glacier	
Canvas	
Buttercup	
Snowdrift	

HT38, HT42 and HT44
also available in:

Burgundy	
Evergreen	
Midnight	
Linen	

HT42, HT44 and HT47
also available in:

Clay	
Sky	
Jade	
Wisp	

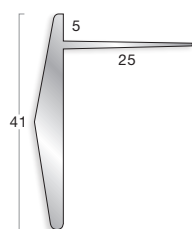
Metallic PVC-u (MT):

Burnt Almond	
Zinc	
Doublon	
Silver	

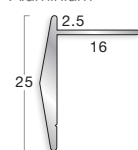
Flexible pvc (TP):

Black	
Brown	
Granite	
Dove	
Snowdrift	

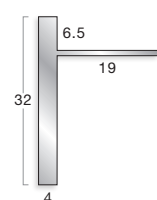
TA2C
Aluminium



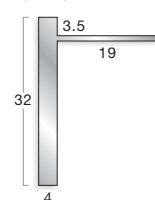
TA1
Aluminium



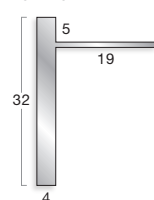
TA5
Aluminium



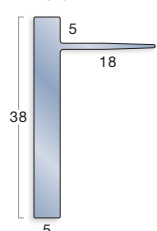
TA5B
Aluminium



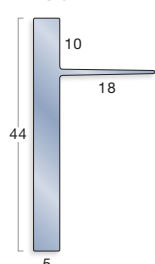
TA5C
Aluminium



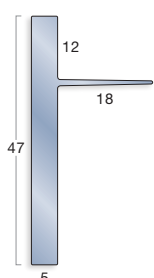
HT38
PVC-u



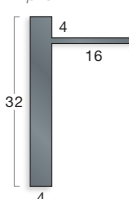
HT44
PVC-u



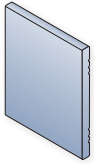
HT47
PVC-u



TP32
pvc



Dimensions shown are nominal. Illustrations are 70% size in mm.
Products subject to minor design alterations without notice.

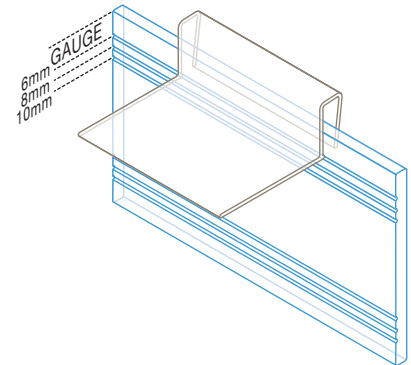


Welded Corners and Trimming Strips with TC1 Clips

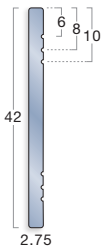
Section	Gauge	Stock Lengths	78° – 90° LH or RH	83° & 90° Universal	Fixing Clips	Site Join
HT42*	6-8-10mm	2.75m	✓	✓	TC1	butt
MT42	6-8-10mm	2.75m	✓	✓	TC1	butt
TA42**	6-8-10mm	2.75m	✓	✓	TC1	butt
TAC42	6-8-10mm	2.00m	✓	✓	TC1	mitre

*HT42 can be supplied as HXT42 - a pre-formed welded corner with a rounded edge to complement the curved edge design of the XT stair edging profiles (see page 54).

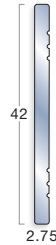
**TA42 can be supplied as TAXT42 - a pre-formed welded corner with a rounded edge to complement the curved edge design of the XT stair edging profiles (see page 54).



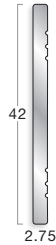
HT42
PVC-u



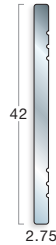
MT42
PVC-u Metallic



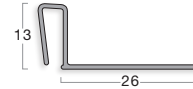
TA42
Aluminium



TAC42
Chrome Finish Aluminium

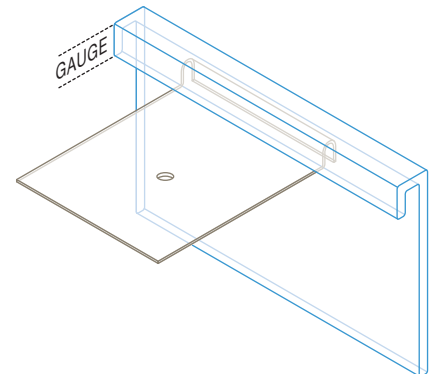


TC1 clip
PVC-u

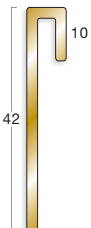


Welded Corners and Trimming Strips with TC2 Clips

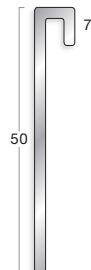
Section	Gauge	Stock Lengths	78° – 90° LH or RH	Fixing Clips	Site Join
BT42	10mm	2.75m	✓	TC2	mitre
TA50	7mm	2.75m	✓	TC2	mitre
TA66	7mm	2.75m	✓	TC2	mitre



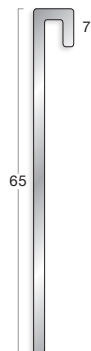
BT42
Bronze



TA50
Aluminium



TA66
Aluminium



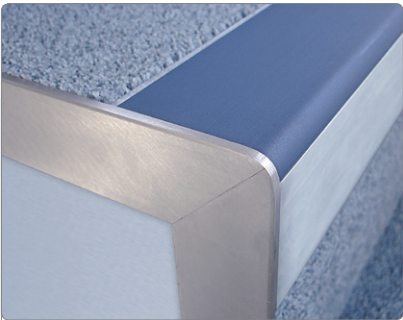
TC2 clip
Steel



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Side Trims and Welded Corners for XT Stair Edgings

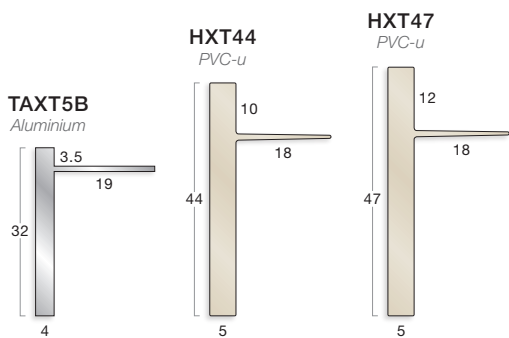


TAXT42 with contoured edge to provide a flush, neat finish to the stair edging profile

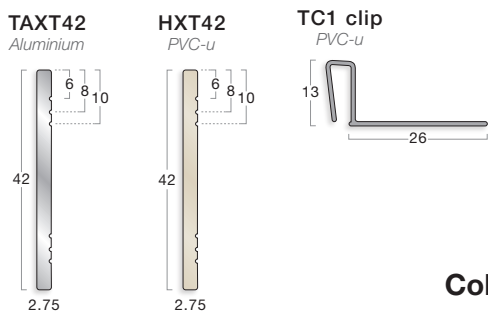
Side trims and welded corners are designed to form a neat and attractive edge around the open end of a step by concealing the edge of the floorcovering and stair edging.

Gradus side trims TA42, TA5B, HT42, HT44 and HT47 can be ordered in straight lengths for on-site fabrication or can be supplied as pre-formed welded corners TAXT42, TAXT5B, HXT42, HXT44 and HXT47. When ordered as TAXT42 / TAXT5B / HXT42 / HXT44 / HXT47 the apex of the welded corner is contoured to a rounded edge to match the curved edge design of the XT stair edging profiles, providing a flush, neat finish.

Welded Corners with Fixed Flange



Welded Corners with TC1 Clips



Colour options:

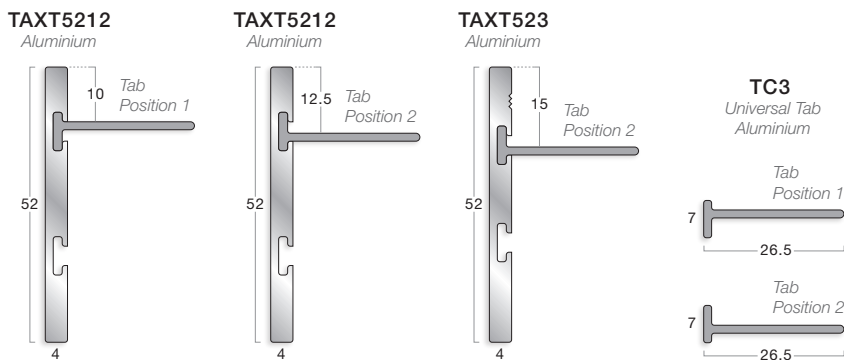
Metals (TAXT):

Aluminium

PVC-u (HXT):

- Black
- Ink
- Brown
- Bluebell
- Granite
- Dove
- Glacier
- Clay
- Sky
- Canvas
- Jade
- Wisp
- Buttercup
- Snowdrift

Welded Corners with TC3 Clips



Welded Corners

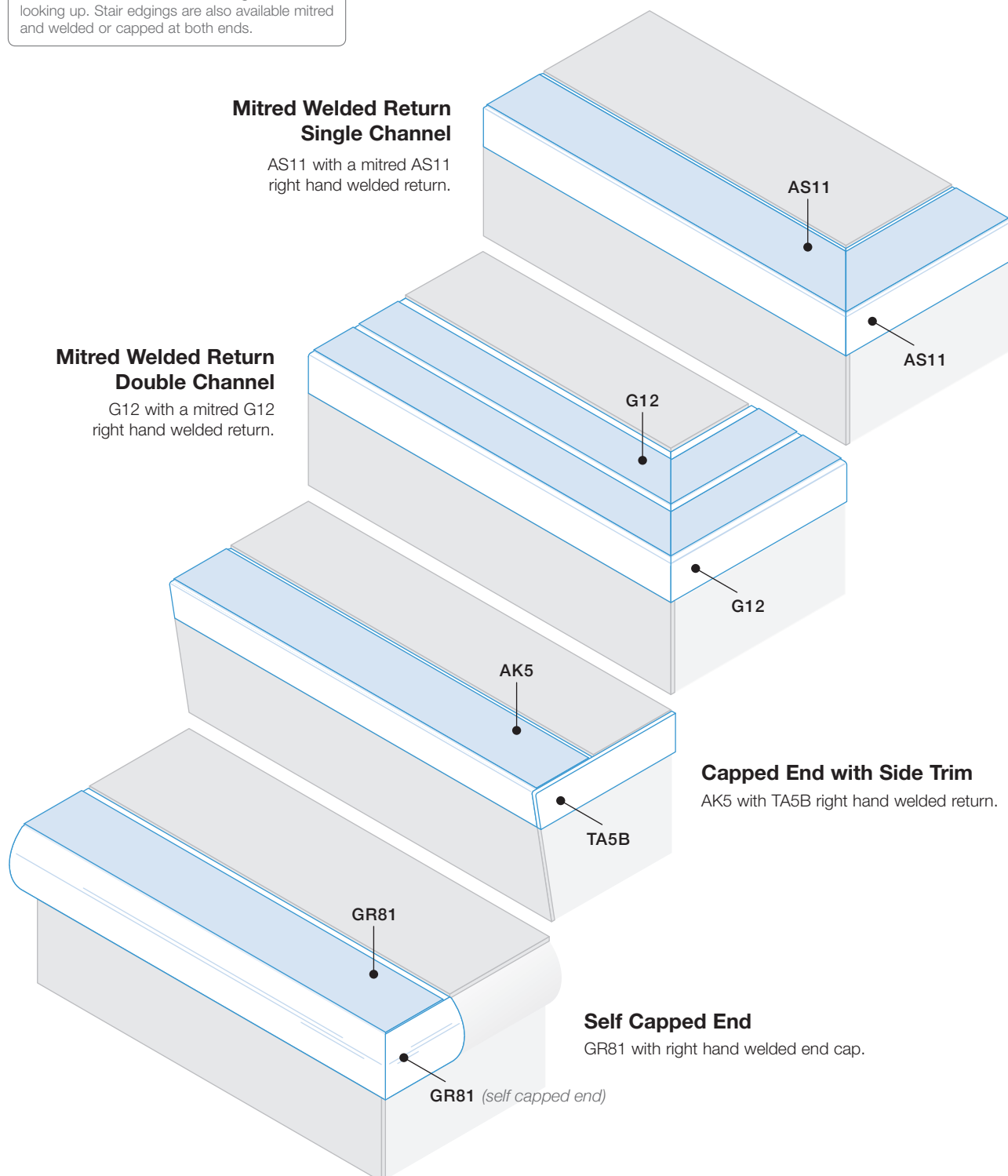
Section	Gauge	78° – 90° LH or RH	83° & 90° Universal	Fixing	Site Join	Trimming Strip for use on landings See pages 52 to 53	Section ref.	Stock Lengths
TAXT5B	3.5mm	✓	✓	Fixed Tab	butt	TAXT5B can be supplied as stock lengths	TA5B	2.75m
HXT44	10mm	✓	✓	Fixed Tab	butt	HXT44 can be supplied as stock lengths	HT44	2.75m
HXT47	12mm	✓	✓	Fixed Tab	butt	HXT47 can be supplied as stock lengths	HT47	2.75m
TAXT42	6-8-10mm	✓	✓	TC1 Clips	butt	TAXT42 can be supplied as stock lengths	TA42	2.75m
HXT42	6-8-10mm	✓	✓	TC1 Clips	butt	HXT42 can be supplied as stock lengths	HT42	2.75m
TAXT5212	10-12.5mm	✓	-	TC3 Clips	mitre	TAXT5212 can be supplied as stock lengths	TAXT5212	2.75m
TAXT523	15mm	✓	-	TC3 Clips	mitre	TAXT523 can be supplied as stock lengths	TAXT523	2.75m

Trimming Strips

Welded Returns & Capped Ends

Most stair edgings featured in the Gradus product range can be fabricated to form a neat finish to the open side(s) of the stair in the form of welded returns or capped ends. The diagram below illustrates some examples of the fabrications that are available.

The "hand" (i.e. left or right hand) of the profile is determined from the bottom of a flight of stairs looking up. Stair edgings are also available mitred and welded or capped at both ends.

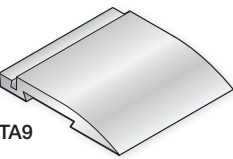


FREE

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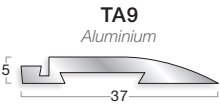
Stair Trims

Edge Trim



TA9

TA9 is an aluminium trimming strip used with G range stair edgings to form a safe ramp where resilient or no floorcovering is used (see pages 26 to 28).



TA9
Aluminium

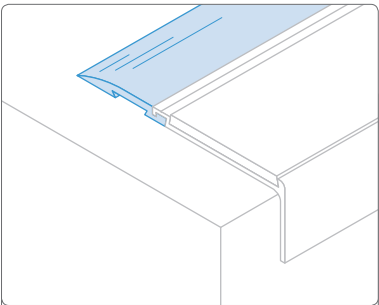
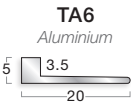


Diagram shows G11 (see page 26) with TA9 ramping strip providing a transition where no floorcovering is used.

TA6 is an aluminium trimming strip used to form a central run of resilient floorcovering on stairs and landings. Can also be used on the riser.



TA6
Aluminium

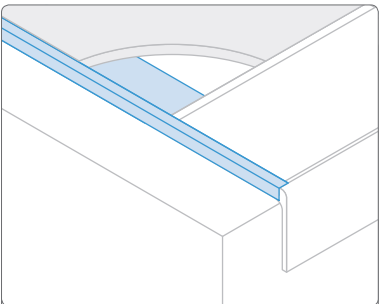
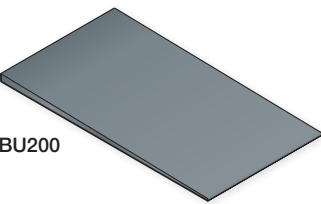


Diagram shows AS11 (see page 23) and TA6 trimming strip with a special on-site fabrication.



BU200

Bevelled underlay is a flexible pvc material used as a diminishing strip and is ideal for building up resilient floorcoverings for use with 5mm stair edgings. This is an ideal solution where a heavy-duty stair edging is required with a resilient floorcovering.

Grooves along the length of the underlay provide a straight cutting edge at points where the thickness gives ideal height adjustment. Bevelled underlay is fitted with a proprietary contact adhesive and it is advisable to feather the tapered edge with a thin layer of latex cement.

Bevelled Underlay

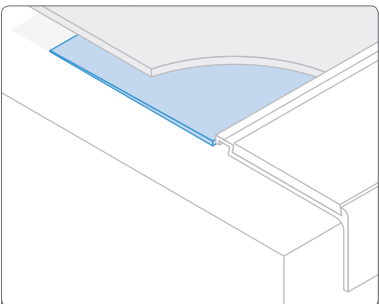
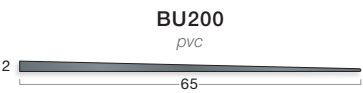


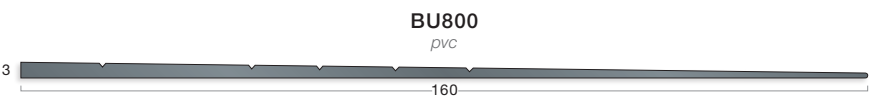
Diagram shows BU200 bevelled underlay being used to build up a 3.2mm linoleum to ensure a flush finish with the back edge of a G11 stair edging (5mm gauge - see page 26).

Colour option:

■ Black



BU200
pvc

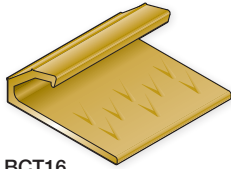


BU800
pvc



BU profiles contain up to 50% recycled content

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



BCT16

Aluminium or bronze nap trims available with or without carpet gripper. Butt joint to the back edge of the stair edging to form a neat finish to the floorcovering. Ideal for use where an Axminster or other woven backed carpet is used. The top is closed using a block of wood and/or rubber mallet. Fixed with screws and adhesive.

Nap Trim

BCT16
Bronze - available with or without carpet gripper

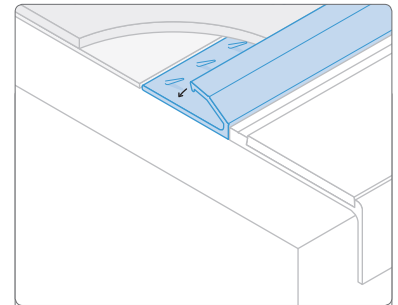
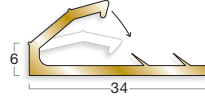


Diagram shows BCT16 butt jointed to the back edge of BG511 (5mm gauge - see page 37) stair edging to provide a neat edge to the carpet.

ANT355
Aluminium - available with or without carpet gripper

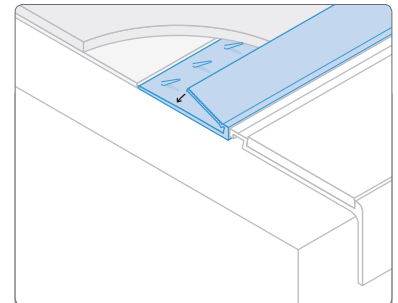
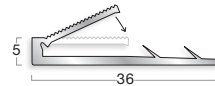


Diagram shows ANT355 butt jointed to the back edge of G11 (5mm gauge - see page 26) stair edging to provide a neat edge to the carpet.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

CG1042
Aluminium - available with or without carpet gripper

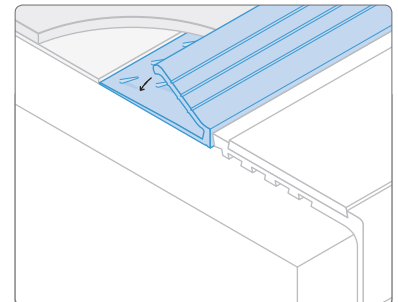
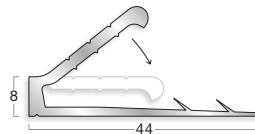
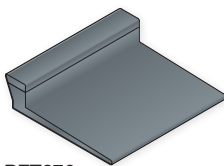


Diagram shows CG1042 butt jointed to the back edge of CT71 (gauge 7mm - see page 29) stair edging to provide a neat edge to the carpet.



PET276

A co-extruded PVC-u feature strip for use between carpets, resilient floorcoverings and ceramic tiles or to form an edge to a floorcovering (see diagram).

Square Edge

PET276
Co-extruded pvc top with PVC-u base

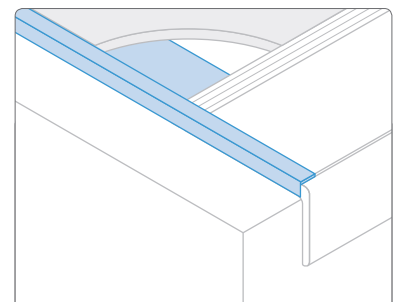


Diagram shows PET276 in conjunction with RN711 (gauge 6mm - see page 42) with a special on-site fabrication being used to protect the exposed edge of the carpet and form a 'carpet runner'.

Colour options:

- Black
- Brown
- Granite
- Dove



Section 2

Transition Strips

Information to ensure the correct selection of transition strips along with details of colour availability. Details of all Gradus transition strips and specialist floor trims can be found in this section.

Transition Strip Colours

Bronze / Brass

Polished Brass / F7



Natural Brass



Polished Bronze



Below is a selection of specialist finishes that are applied to a polished brass material.

Polished Chrome



Satin Chrome



Brushed Stainless Steel



Pearl Nickel



Satin Nickel



Aluminium

Mill Finish / Natural



F0 Natural



F3 Polished



Below is a selection of finishes that are applied to aluminium material.

Polished Silver



Etched Silver



F4 Silver Anodised



F5 Gold Anodised



Pvc Standard

Black



Brown



Coffee



Granite



Lead



Bluebell



Dove



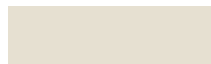
Steel



Clay



Canvas



Pvc Metallics

Burnt Almond



Zinc



Doubloon



Platinum



Silver



Wood Finish

H30 - Light Oak



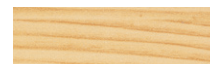
H20 - Dark Beech



H22 - Light Beech



H10 - Pine



H40 - Maple



The above are wood effect finishes that are applied to aluminium material.

Stainless Steel

F8 Polished



F8G Matt



Please note: Due to the limitations of the printing process, colours within this catalogue should not be relied upon for colour matching. An accurate colour match can only be achieved by requesting the relevant product sample(s) from Gradus Technical Support on 01625 428922.

Colour Availability

The table below can be used to show colour and finish availability of various profiles. Non-standard colours are also available and special colours can be matched upon request subject to minimum quantity and lead time. For further information contact Technical Support on 01625 428922.

Material	Colour/Finish	Luxury Trim System	Clip-Top PVC-u + Clip-Top fx + MTS PVC-u + GT61R + CET	MTS Aluminium	Design-Clip	PPS	Euro-Clip	Cable Ducts + DT + PCR + PET + T + EJC + CVT + CTR	TH495	GT61M	BU	BCT	SCS + SCSP + ETR-GF8 + MJ-F8	SCS + SCSM	WTS	Matwell Frames (RMF & UMFA) + ACS38 + ACS52 + ACT + AVR + ANT + CG + TA	ACS441 + ACS444 + ACS470S + TH382 + TH383+ JT + ET + RT	ACS462 + ACS463	AJC + JT-EB + ET-EB + TP-F4 + MJ-F4	BCS + ETR-F7 + ETR-GF7 + TP-F7	ETR-F0 + ETR-UFO + ETR-GF0	AR268	FRB Matwell Frame
Bronze / Brass	Polished Chrome	•																					
	Satin Chrome	•																					
	Brushed Stainless Steel	•																					
	Pearl Nickel	•																					
	Satin Nickel	•																					
	Polished Brass / F7	•																		•			
	Natural Brass																						•
	Polished Bronze											•											
Aluminium	Polished Silver			•																			
	F3 Polished				•												•	•					
	Mill Finish / Natural															•							
	F0 Natural																				•	•	
	Etched Silver			•																			
	F4 Silver Anodised				•	•											•	•					•
	F5 Gold Anodised					•																	
Pvc Standard	Black		•					•			•												
	Brown		•					•															
	Coffee														•								
	Granite		•					•															
	Lead														•								
	Bluebell		•																				
	Dove		•					•															
	Steel														•								
	Clay		•												•								
	Canvas														•								
Pvc Metallics	Burnt Almond									•													
	Zinc								•	•													
	Doubloon								•	•													
	Platinum								•	•													
	Silver								•	•													
Wood Finish	H30 - Light Oak						•																
	H20 - Dark Beech						•																
	H22 - Light Beech						•																
	H10 - Pine						•																
	H40 - Maple						•																
Stainless Steel	F8 Polished											•											
	F8G Matt													•									

For FCA16, Trans-Edge trims & RAM012 see individual profile pages 109, 81 and 83 respectively for details of colour availability.

Luxury Trim System



Description

The Gradus Luxury Trim System offers a premium solution for the neat finishing of junctions between flooring materials.

The solid brass profiles are available in six opulent metal finishes for use in prestigious applications where luxury floor finishes are installed, from hotels to top-end residential developments.

The profiles are available in either a ramp or a twin top configuration with a choice of bases and heights to suit a wide range of floorcoverings.

Profile Information

- Profiles suitable for interior use
- Tops clip in to bases to accommodate a variety of floorcoverings

Installation Advice

- Compressed thickness of carpet should always be a tight fit to the internal gauge of the combined top/base
- When installed with natural floorcoverings e.g. ceramics or wood, a suitable gap must be left between the profile base and the flooring to allow for natural expansion
- Bases should always be fitted on top of resilient floorcoverings when used in a ramp configuration
- Bases should be fitted using cartridge adhesive and screw fixings

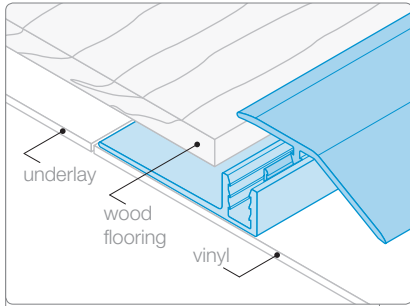
Colour

- For larger colour swatches see page 60

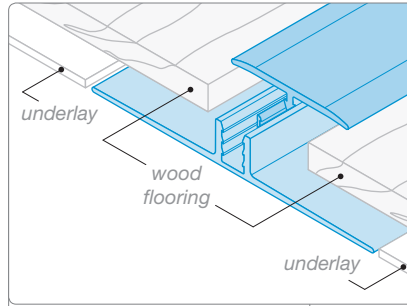
Luxury Trim System



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



SFBR37/AFT398 wood flooring to vinyl



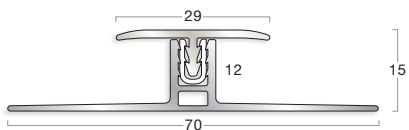
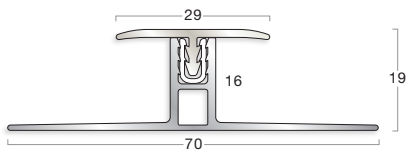
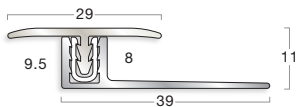
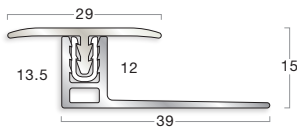
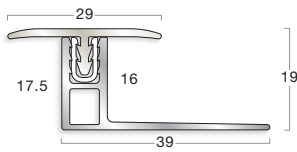
SFBT29/AFT708 wood flooring



CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
SFBR37 / AFT398 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBR37 / AFT3912 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBR37 / AFT3916 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBT29 / AFT708 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Luxury Trim System

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
SFBT29 / AFT7012 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBT29 / AFT7016 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBT29 / AFT398 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBT29 / AFT3912 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass
SFBT29 / AFT3916 	Brass Top with PVC-u Connector & Aluminium Base Base available with or without carpet gripper	2.715m 0.9m	<ul style="list-style-type: none"> Polished Chrome Satin Chrome Brushed Stainless Steel Pearl Nickel Satin Nickel Polished Brass

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

MTS Multi-Trim System™



Edmund Sumner/View.

Section 2

Description

MTS Multi-Trim System is a versatile and simple solution for common interfaces between flooring materials.

Tops are aluminium or PVC-u and can be clipped into the bases at different heights to accommodate various floorcoverings, offering more flexibility in use.

MTS offers a neat finish to commonly found junctions in commercial applications, and is ideal for use with floorcoverings that require room for expansion such as wood, wood laminate, ceramics and terrazzo.

Suitable for use in medium pedestrian and trolley traffic applications, e.g. high street shops, schools, hotels and offices.

Profile Information

- Profiles suitable for interior use
- Tops can be clipped into bases at variable heights to accommodate a wider range of floorcoverings



Denotes PVC-u profiles can be curved on-site, see individual profiles for minimum radius

Installation Advice

- Compressed thickness of carpet should always be a tight fit to the internal gauge of the combined top / base
- When installed with ceramics, wood or wood laminate flooring a suitable gap must be left between the profile base and the flooring to allow for natural expansion
- Bases should be fitted using cartridge adhesive and screw fixings

Colour

- For larger colour swatches see page 60

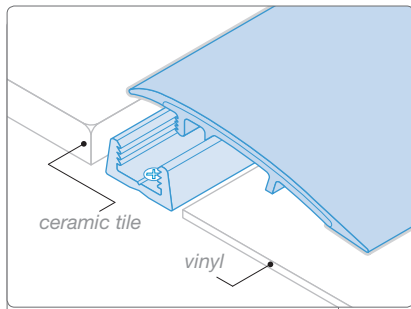


MTS PVC-u bases contain up to 100% recycled content.

MTS Multi-Trim System™ - PVC-u



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



PTR1/MPTB5 ceramic tile to vinyl.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

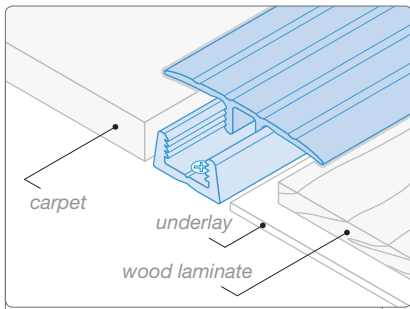
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
PTT1 / MPTB5 	PVC-u Top PVC-u Base	2.70m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
PTT1 / MPTB12 	PVC-u Top PVC-u Base	2.70m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
PTT1 / MPTB16 	PVC-u Top PVC-u Base	2.70m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
PTR1 / MPTB5 	PVC-u Top PVC-u Base	2.70m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
PTR1 / MPTB12 	PVC-u Top PVC-u Base	2.70m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
PTR1 / MPTB16 	PVC-u Top PVC-u Base	2.70m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

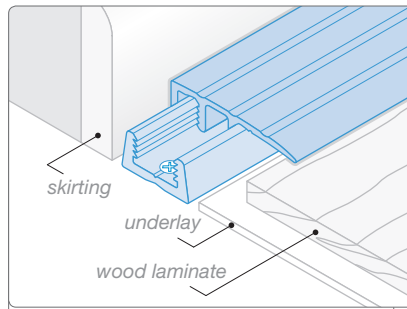
MTS Multi-Trim System™ - Aluminium



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



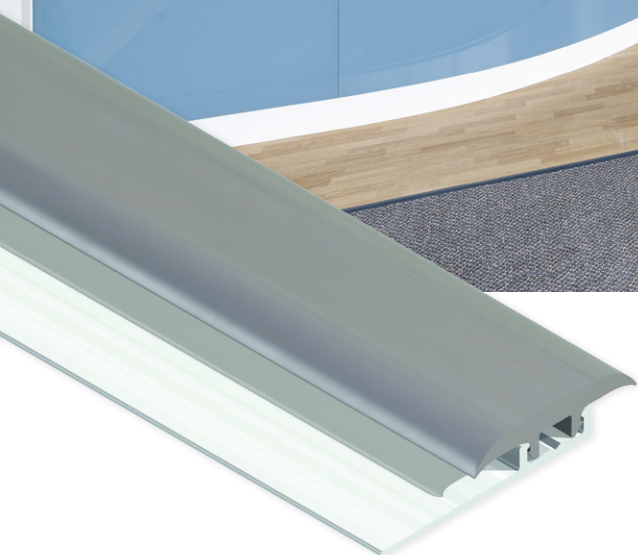
ATT42/PBT12 carpet to wood laminate.



ATB33/PBT12 wood laminate to skirting.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ATT42 / PBT12   Self-levelling	Aluminium Top PVC-u Base	2.70m	 Polished Silver  Etched Silver
ATT42 / PBT16   Self-levelling	Aluminium Top PVC-u Base	2.70m	 Polished Silver  Etched Silver
ATB33 / PBT12   Self-levelling	Aluminium Top PVC-u Base	2.70m	 Polished Silver  Etched Silver
ATB33 / PBT16   Self-levelling	Aluminium Top PVC-u Base	2.70m	 Polished Silver  Etched Silver
ATR45 / PBT12   Self-levelling	Aluminium Top PVC-u Base	2.70m	 Polished Silver  Etched Silver
ATR50 / PBT16   Self-levelling	Aluminium Top PVC-u Base	2.70m	 Polished Silver  Etched Silver

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



Description

Clip-Top is a two-piece product allowing design flexibility in commercial applications. The tops can be replaced so that the colour can be altered as part of a refurbishment programme, or if a worn or damaged section needs to be changed, without renewing the base or disrupting the fitted floorcovering. Suitable for use in heavy pedestrian and medium trolley traffic applications, e.g. department stores, high street shops, hospitals, schools, hotels and offices.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

Profile Information

- Tops can be replaced
- Profiles suitable for interior use only



A number of PVC-u/metallic PVC-u tops and aluminium bases can be factory fabricated to a radius shape, subject to approval of template or detailed drawing (showing radius details), by the Technical Department

Details of minimum and maximum curving radii can be found on the opposite page.

Installation Advice

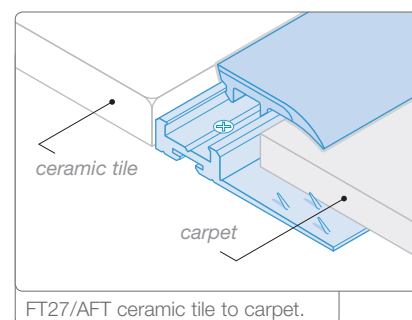
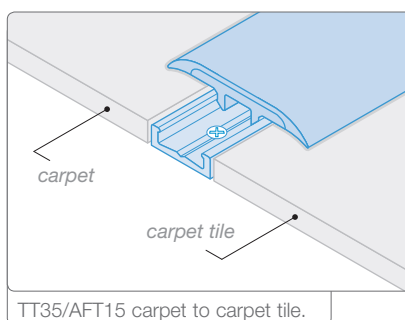
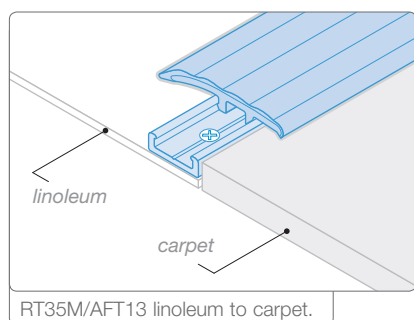
- Compressed thickness of carpet should always be a tight fit to the internal gauge of the combined top / base
- Clip-Top bases should always be fitted on top of the resilient floorcovering when used in a ramp configuration
- Bases should be fitted using cartridge adhesive and screw fixings

Colour

- For larger colour swatches see page 60



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



Curving Clip-Top

Curves between the minimum and maximum radii can be factory fabricated subject to approval of template or detailed drawing (showing radius details) by the Technical Department. Curves greater than the maximum radius can be curved on-site or by Gradus on request. Curves less than the minimum radius cannot be curved.

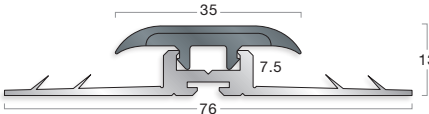
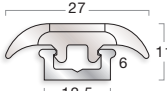
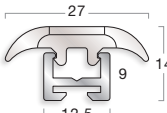
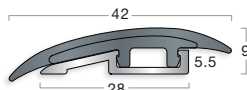
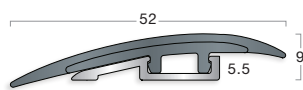
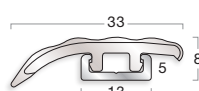
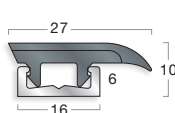
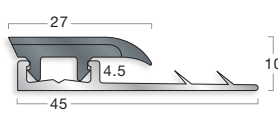
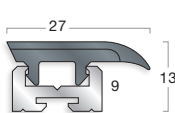
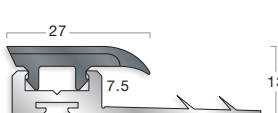
Tops		
Profile	Min. Radius mm	Max. Radius mm
FT27	250	800
RT35M	1000	3500
RT42	1000	3500
RT52	800	3500
TT25M	500	800
TT35	250	800

Bases		
Profile	Min. Radius mm	Max. Radius mm
AFT12	250	6000
AFT13	250	6000
AFT14	250	6000
AFT15	250	6000
AFT17	250	7000
AFT28	600	9000

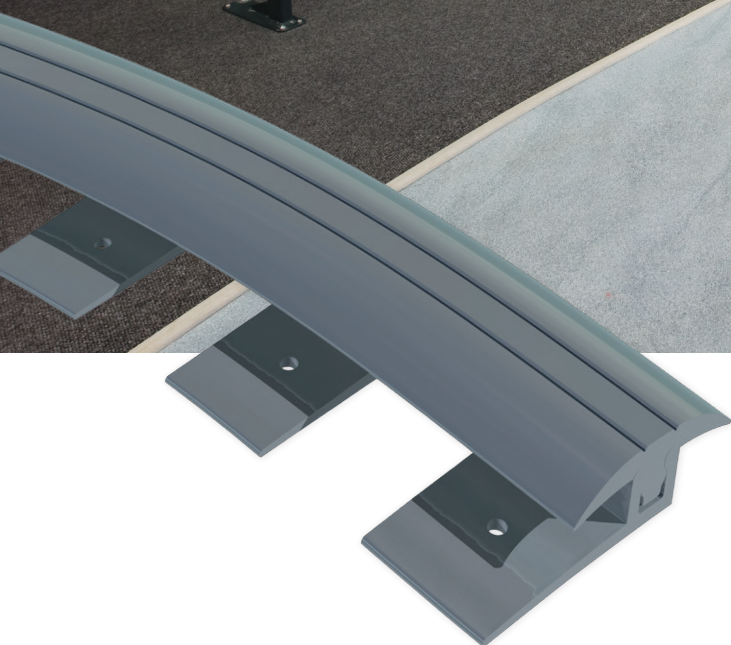


CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
TT35 / AFT45 Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
TT35 / AFT15 Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
TT35 / DFT80 Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
TT35 / AFT17 Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
TT35 / AFT Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
TT35 / DFT Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
TT25M / AFT14 	Metallic PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Burnt Almond Zinc Doubloon Platinum Silver
TT25M / AFT12 	Metallic PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Burnt Almond Zinc Doubloon Platinum Silver
RT42 / AFT28 Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
RT52 / AFT28 Registered Community Design Application No 001201941 	PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
RT35M / AFT13 	Metallic PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Burnt Almond Zinc Doubloon Platinum Silver
FT27 / AFT15 	PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FT27 / AFT45 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FT27 / AFT17 	PVC-u Top Aluminium Base Replaceable Tops	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FT27 / AFT 	PVC-u Top Aluminium Base Base available with or without carpet gripper	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



Description

Clip-Top fx is a two-piece product allowing design flexibility in most commercial applications. Tops are PVC-u and bases are PVC-u for curves and aluminium for straights. The product can be easily formed on site without the need for heat application, reducing the requirements for pre-fabricated curves. The tops can be replaced so that the colour can be altered as part of a refurbishment programme, or if a worn or damaged section needs to be changed, without renewing the base or disrupting the fitted floorcovering. Suitable for use in medium pedestrian and trolley traffic applications, e.g. high street shops, schools, hotels and offices.

Profile information

- Tops can be replaced
- Profiles suitable for interior use only
- Can be easily formed on site without the need for heat application when used with PVC-u bases. See individual profiles for curving radii.

Installation Advice

- Compressed thickness of carpet should always be a tight fit to the internal gauge of the combined top / base
- Clip-Top fx bases should always be fitted on top of the resilient floorcovering when used in a ramp configuration
- Bases should be fitted using cartridge adhesive and screw fixings

Colour

- For larger colour swatches see page 60

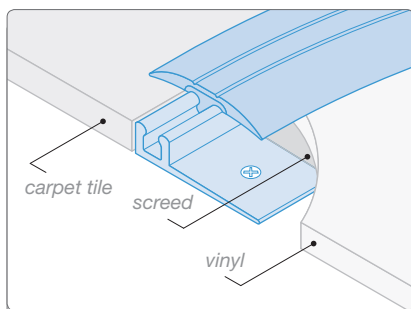


Clip-Top fx PVC-u bases contain up to 100% recycled content.

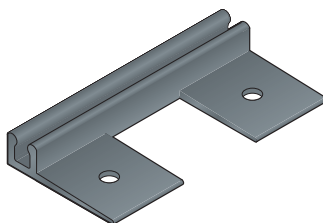
Clip-Top fx®



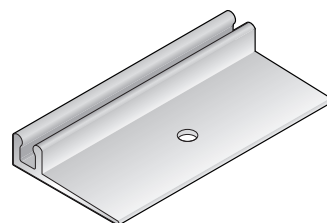
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



FXT31/FXB336 carpet tile to vinyl.



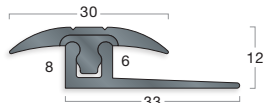








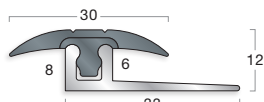







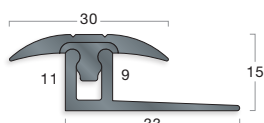








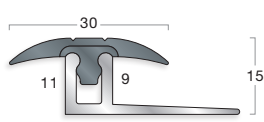







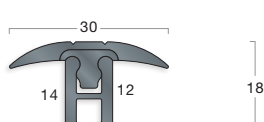








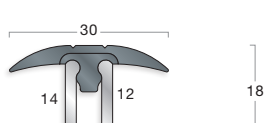







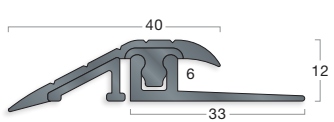









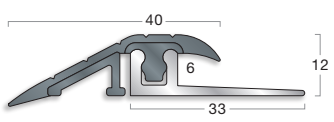







PVC-u bases are pre-punched with tabs and fixing holes for on-site curving. Latex screed should be used with resilient floorcoverings to prevent pre-punched base shadowing through.



Aluminium bases have a solid flange for straight lengths.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
FXT21 / FXB336 	400mm min curve on-site Replaceable Tops PVC-u Top PVC-u Base	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FXT21 / AFT336 	Replaceable Tops PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FXT21 / FXB339 	400mm min curve on-site Replaceable Tops PVC-u Top PVC-u Base	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FXT21 / AFT339 	Replaceable Tops PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FXT21 / FXB3312 	400mm min curve on-site Replaceable Tops PVC-u Top PVC-u Base	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay
FXT21 / AFT3312 	Replaceable Tops PVC-u Top Aluminium Base	2.50m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES	
<div>FXT31 / FXB336</div> <div></div>	<div> 400mm min curve on-site</div> <div> Replaceable Tops</div>	PVC-u Top PVC-u Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXT31 / AFT336</div> <div></div>	<div> Replaceable Tops</div>	PVC-u Top Aluminium Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXT31 / FXB339</div> <div></div>	<div> 400mm min curve on-site</div> <div> Replaceable Tops</div>	PVC-u Top PVC-u Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXT31 / AFT339</div> <div></div>	<div> Replaceable Tops</div>	PVC-u Top Aluminium Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXT31 / FXB3312</div> <div></div>	<div> 400mm min curve on-site</div> <div> Replaceable Tops</div>	PVC-u Top PVC-u Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXT31 / AFT3312</div> <div></div>	<div> Replaceable Tops</div>	PVC-u Top Aluminium Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXR40 / FXB336</div> <div></div>	<div> 400mm min convex curve on-site</div> <div> 900mm min concave curve on-site</div> <div> Replaceable Tops</div>	PVC-u Top PVC-u Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>
<div>FXR40 / AFT336</div> <div></div>	<div> Replaceable Tops</div>	PVC-u Top Aluminium Base	2.50m	<div> Black</div> <div> Brown</div> <div> Granite</div> <div> Bluebell</div> <div> Dove</div> <div> Clay</div>

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Design-Clip



Description

Design-Clip comprises two-piece aluminium profiles that provide a neat finish at junctions between hard floors such as luxury vinyl tile, wood and wood laminate. The profiles allow room for expansion in natural floorcoverings.

Profile Information

- Profiles suitable for interior use in medium traffic applications e.g. restaurants, hotels and offices.
- Tops are clipped into bases at variable heights to accommodate a variety of floorcoverings.
- Bases are supplied pre-drilled with countersunk holes for no.4 screws.

Installation Advice

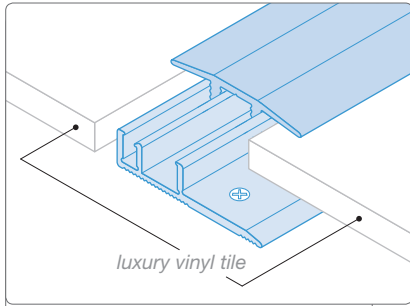
- Bases should be fitted using cartridge adhesive and screw fixings.
- When installed with floorcoverings that require room for natural expansion, a suitable gap must be left between the profile base and the floorcovering to allow for that expansion.

Colour

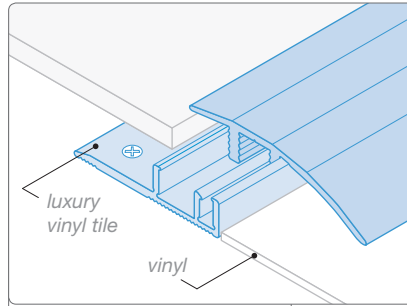
- For larger colour swatches see page 60



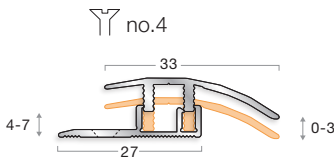


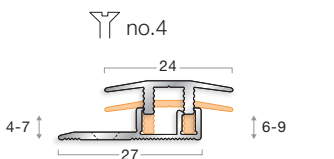


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KC578 luxury vinyl tile to luxury vinyl tile.



KA576 luxury vinyl tile to vinyl.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
KA576 	Aluminium Top Aluminium Base	2.70m	 F3 Polished  F4 Silver Anodised
KC578 	Aluminium Top Aluminium Base	2.70m	 F3 Polished  F4 Silver Anodised

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

PPS® System



Description

The PPS range comprises two-piece anodised aluminium profiles that provide solutions to junctions for flooring such as wood, wood laminate and ceramic tiles. The PPS system utilises aluminium bases and tops joined together with a unique patented linking screw which allows the profiles to accommodate various heights of floorcoverings. The profiles allow room for expansion of natural floorcoverings such as wood whilst offering greater flexibility in height options.

Profile Information

- Profiles suitable for interior use in medium traffic applications, e.g. offices and restaurants
- Tops are screwed into bases at adjustable heights to accommodate a variety of floorcoverings

Installation Advice

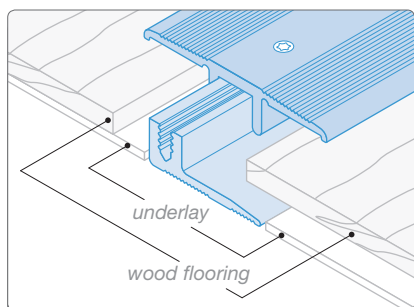
- Bases should be fitted using cartridge adhesive and screw fixings
- When installed with floorcoverings that require room for natural expansion, a suitable gap must be left between the profile base and the floorcovering to allow for that expansion

Colour

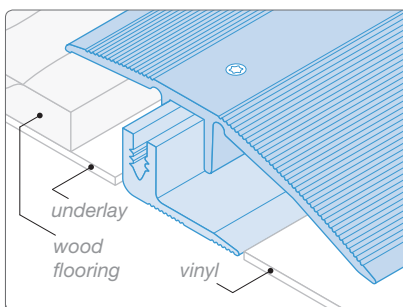
- For larger colour swatches see page 60



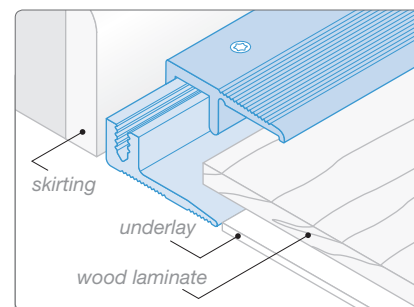
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



KC388AS wood flooring to wood flooring.



KA386XXL wood flooring to vinyl.



KB387AS wood laminate to skirting.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
KC388AS T10 Torx™ Screw Adjustable height	Aluminium Top Aluminium Base	2.70m	F4 Silver Anodised F5 Gold Anodised
KC388XXL T15 Torx™ Screw Adjustable height	Aluminium Top Aluminium Base	2.70m	F4 Silver Anodised F5 Gold Anodised
KA386AS T10 Torx™ Screw Adjustable height	Aluminium Top Aluminium Base	2.70m	F4 Silver Anodised F5 Gold Anodised
KA386XXL T15 Torx™ Screw Adjustable height	Aluminium Top Aluminium Base	2.70m	F4 Silver Anodised F5 Gold Anodised
KB387AS T10 Torx™ Screw Adjustable height	Aluminium Top Aluminium Base	2.70m	F4 Silver Anodised F5 Gold Anodised
KB387XXL T15 Torx™ Screw Adjustable height	Aluminium Top Aluminium Base	2.70m	F4 Silver Anodised F5 Gold Anodised

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Euro-Clip™ System



Description

Euro-Clip is a range of two-piece wood-effect profiles for use with wood and wood laminates. The profiles allow room for expansion in natural floorcoverings.

Profile Information

- Profiles suitable for interior use in medium traffic applications, e.g. offices and restaurants
- Tops are clipped in to bases at variable heights to accommodate a variety of floorcoverings

Installation Advice

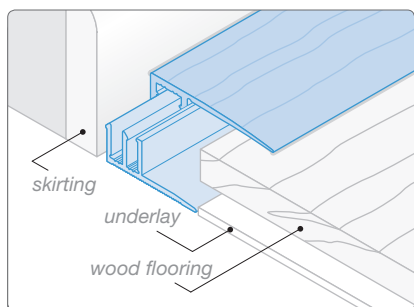
- Bases should be fitted using cartridge adhesive and screw fixings
- When installed with floorcoverings that require room for natural expansion, a suitable gap must be left between the profile base and the floorcovering to allow for that expansion

Colour

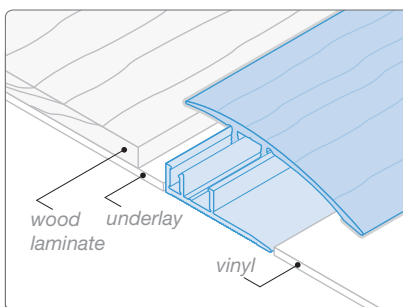
- For larger colour swatches see page 60



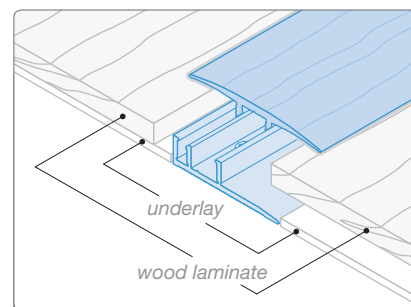
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



KB587H wood flooring to skirting.



KA586LH wood laminate to vinyl.



KC588LH wood laminate to wood laminate.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
KC588LH 	Aluminium Top Aluminium Base	2.70m	<ul style="list-style-type: none"> H30 Light Oak H20 Dark Beech H22 Light Beech H10 Pine H40 Maple
KC588H 	Aluminium Top Aluminium Base	2.70m	<ul style="list-style-type: none"> H30 Light Oak H20 Dark Beech H22 Light Beech H10 Pine H40 Maple
KA586LH 	Aluminium Top Aluminium Base	2.70m	<ul style="list-style-type: none"> H30 Light Oak H20 Dark Beech H22 Light Beech H10 Pine H40 Maple
KA586H 	Aluminium Top Aluminium Base	2.70m	<ul style="list-style-type: none"> H30 Light Oak H20 Dark Beech H22 Light Beech H10 Pine H40 Maple
KB587LH 	Aluminium Top Aluminium Base	2.70m	<ul style="list-style-type: none"> H30 Light Oak H20 Dark Beech H22 Light Beech H10 Pine H40 Maple
KB587H 	Aluminium Top Aluminium Base	2.70m	<ul style="list-style-type: none"> H30 Light Oak H20 Dark Beech H22 Light Beech H10 Pine H40 Maple

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Trans-Edge® - Trims



Description

Trans-Edge trims have been designed for use in the most demanding environments where frequent heavy foot and wheeled traffic can be expected, e.g. railway stations, airports, transport interchanges, department stores and hospitals. Trans-Edge trims comprise an aluminium base channel with a choice of slip-resistant Elite inserts (ordered separately). Standard interior insert is available for interior dry conditions. Xtra-grip insert is available for interior areas that are at risk of becoming wet and therefore pose a higher risk of slip.



All Gradus products comply with
REACH Regulation (EC) 1907-2006
- see page 4 for further details.

Profile Information

- Profiles suitable for interior use
- Choice of ramp or flat design

Installation Advice

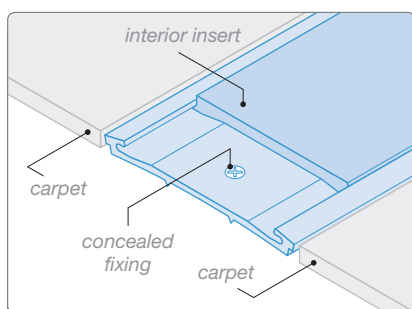
- Aluminium channels are fixed using screws and cartridge adhesive. Elite insert is then fitted into channel to allow concealed fixings
- If used with carpet, compressed thickness of carpet should always be a tight fit to the internal gauge of the profile
- When installed with ceramics, wood or wood laminate flooring a suitable gap must be left between the profile and the flooring to allow for natural expansion
- Ramp profiles should always be fitted on top of resilient floorcoverings

Colour

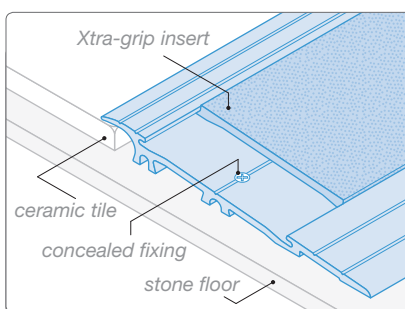
- For larger colour swatches see page 60



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ELACS5040 carpet to carpet.



ELAR950 ceramic tile to stone floor.

Elite Insert supplied separately to channel	Coil Length
ELINS30 - Interior	15m coil
ELINS40 - Interior	25m coil
ELINS50 - Interior	25m coil
ELINSXG30 - Xtra-grip	15m coil
ELINSXG50 - Xtra-grip	15m coil

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ELACS5040 	Aluminium PVC-u Insert (ELINS40)	2.50m See chart above	Elite Xtra-grip Insert ELINSXG All ELAR profiles <div> <div>Carbon</div> <div>Rock</div> <div>Pebble</div> <div>Zest</div> </div>
ELAR530 	Aluminium PVC-u Insert (ELINS30 or ELINSXG30)	2.50m See chart above	
ELAR830 	Aluminium PVC-u Insert (ELINS30 or ELINSXG30)	2.50m See chart above	
ELAR950 	Aluminium PVC-u Insert (ELINS50 or ELINSXG50)	2.50m See chart above	Elite Interior Insert ELINS All ELAR & ELACS profiles <div> <div>Jet</div> <div>Coffee</div> <div>Lead</div> <div>Steel</div> <div>Snowdrift</div> </div>
ELAR1250 	Aluminium PVC-u Insert (ELINS50 or ELINSXG50)	2.50m See chart above	
ELAR1550 	Aluminium PVC-u Insert (ELINS50 or ELINSXG50)	2.50m See chart above	
ELAR1830 	Aluminium PVC-u Insert (ELINS30 or ELINSXG30)	2.50m See chart above	<div> <div>Ink</div> <div>Burgundy</div> <div>Midnight</div> <div>Evergreen</div> <div>Ocean</div> <div>Poppy</div> <div>Cloud</div> <div>Linen</div> <div>Glacier</div> <div>Canvas</div> <div>Buttercup</div> </div>

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Matwell Frames



Description

Matwell frames are available in two options: recessed – for the creation, protection and finishing of a recess in the subfloor that is used to accommodate a primary barrier mat; ramped – for the creation of a surface matwell to secure and provide safe transition for a mat that is laid directly on top of the floor.

Profile Information

- Available pre-drilled in a variety of heights to suit different gauges of barrier matting
- Ramping frames are suitable for use with 12mm primary barrier mats (not suitable in areas subject to heavy trolley traffic)
- Frames can be mitred or shaped subject to provision and approval of template

Installation Advice

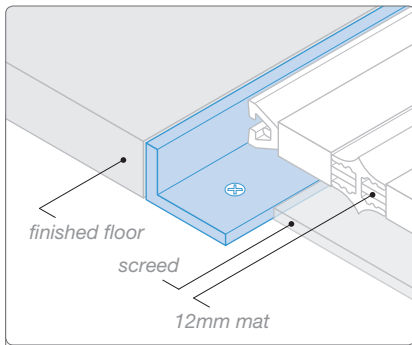
- Recessed frames should be mechanically fixed to the subfloor prior to the screed or plywood build up of the matwell base to suit the matting to be installed. Frames should be fixed to the correct levels taking into account the finished floor level and surrounding floor finish
- Ramped frames – aluminium ramps should be fixed using cartridge adhesive and screw fixings; pvc ramps are fixed with contact adhesive only
- Connectors are available for the FRB frame for secure fixing of corners

Colour

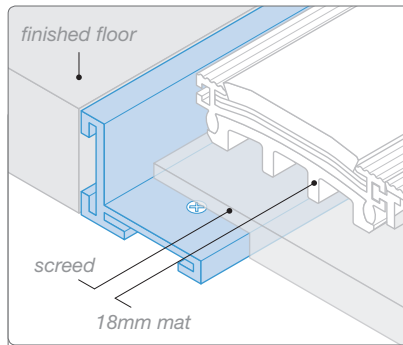
- For larger colour swatches see page 60



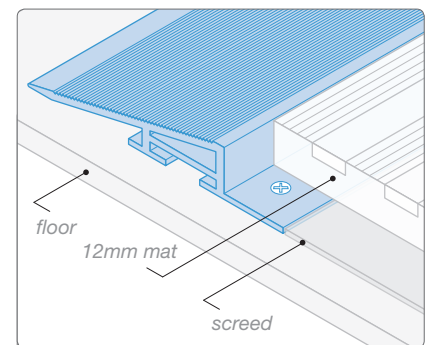
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



UMFA12 laid to accommodate a 12mm Gradus Topguard primary barrier mat.



FRB026 laid to accommodate an 18mm Gradus Esplanade Plus primary barrier mat.

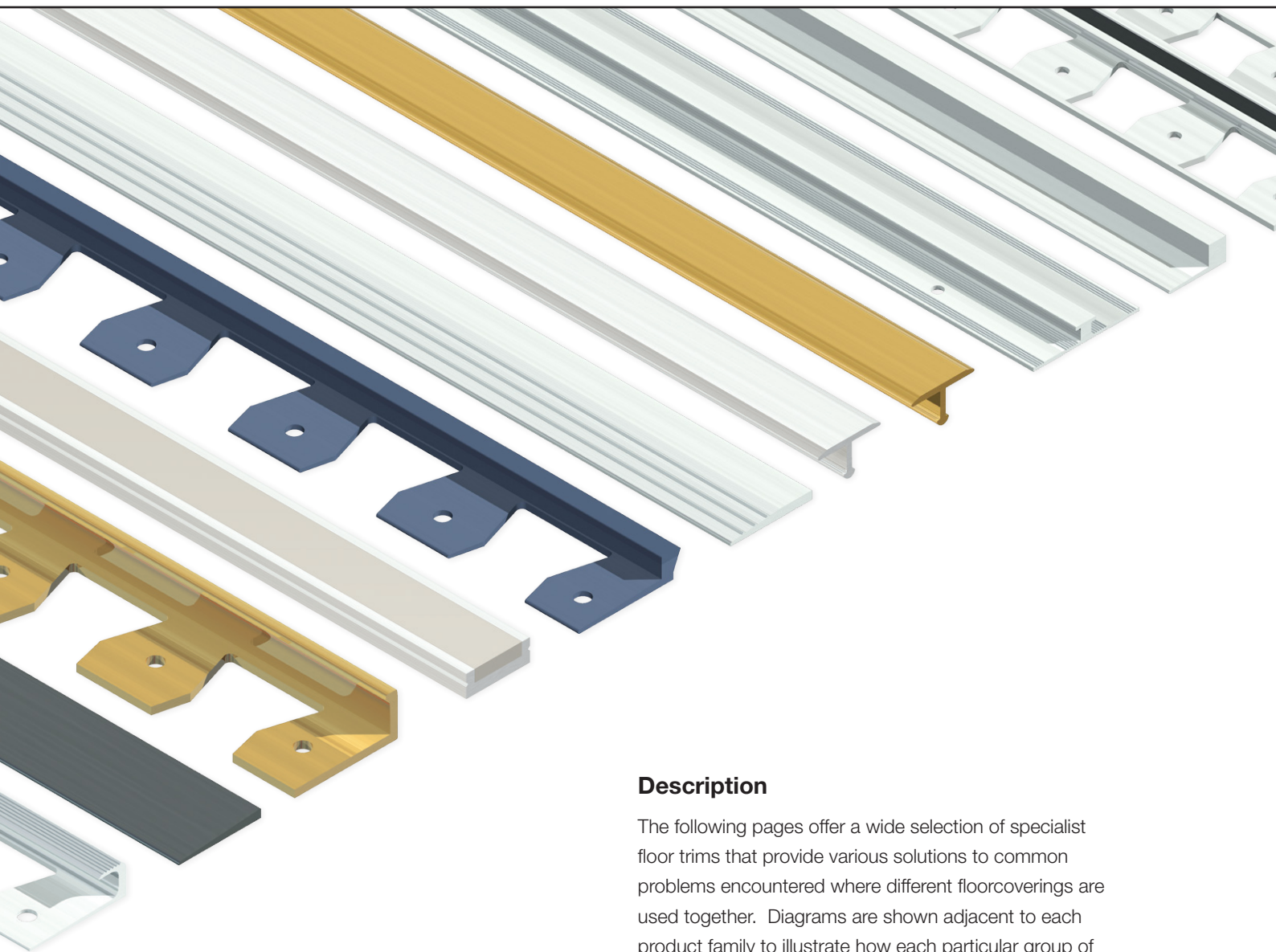


RMF60 laid to accommodate a 12mm Gradus Access primary barrier mat.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
UMFA12 	Aluminium	2.00m	■ Natural
UMFA18 	Aluminium	2.00m	■ Natural
UMFA25 	Aluminium	2.00m	■ Natural
FRB026 	Brass	2.50m	■ Natural
RMF60 	Aluminium	3.00m	■ Natural
RAM012 	pvc	2.50m	■ Black ■ Grey

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Specialist Floor Trims



Specialist Floor Trims

• Cover Strips	85 - 88
• Joint Trims	89
• Finishing Trims	90
• Nap Trims	91
• Edge Trims	92
• Multi-Purpose Trims	93 - 99
• Feather Edges	100
• Heavy Duty Ramp	100
• Ramp Edges	101 - 102
• Construction Joint Covers	103
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• Bevelled Underlay	104
• Dual Trim	104
• Transition T Profiles	105
• Wetroom Transition Strips	106
• Threshold Trims	107
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• Feature Strip	109
• Movement Joints	110 - 111
• Contour Edge	111

Description

The following pages offer a wide selection of specialist floor trims that provide various solutions to common problems encountered where different floorcoverings are used together. Diagrams are shown adjacent to each product family to illustrate how each particular group of profiles is commonly used.

Colour

- For larger colour swatches see page 60

Bending Machine

- Many of the Gradus Trims in this section can easily be curved by hand, however some trims require a bending machine.
- To rent, buy or for more information about bending machines please contact Technical Support on 01625 428922.

Key



Can be curved by hand.



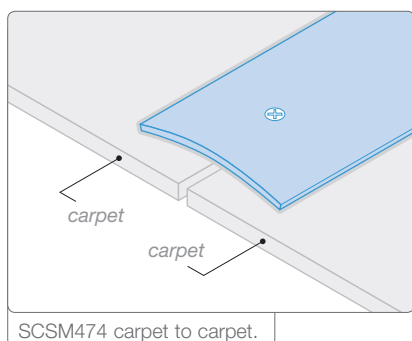
Bending machine required.

Cover Strips

Used to join floorcoverings of the same or similar heights. Provide safe, neat joining solutions whilst protecting the edge of the floorcoverings from damage. Often used at door thresholds where floorcoverings meet. AJC profiles are side drilled and are ideal for use as expansion joint covers.



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SCSM474 carpet to carpet.

Key

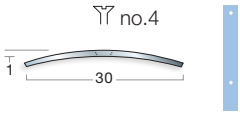

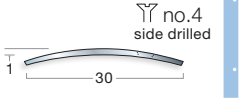

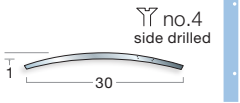

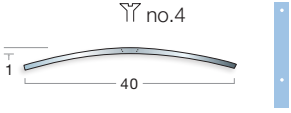

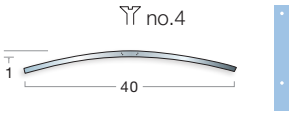

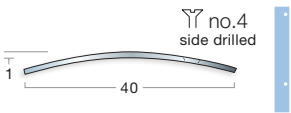

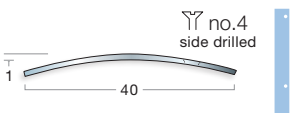

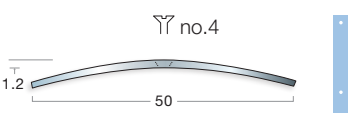

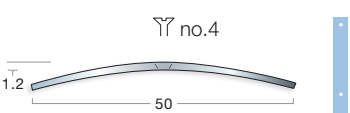



Pre-drilled with countersunk holes.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
SCSM471 	Stainless Steel	2.70m	F8G Matt
SCSP471 	Stainless Steel	2.70m	F8 Polished
SCS471SF8G 	Stainless Steel	2.70m	F8G Matt
SCS471SF8 	Stainless Steel	2.70m	F8 Polished
SCSM451 	Stainless Steel	2.70m	F8G Matt

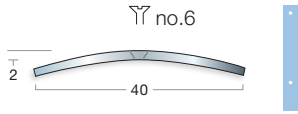
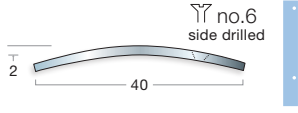
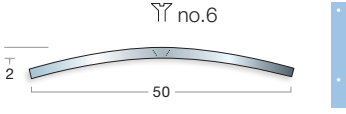
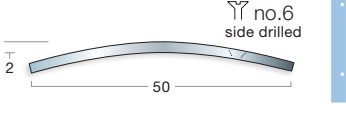
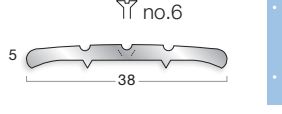
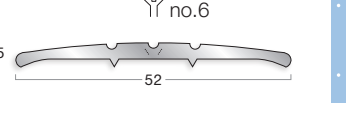
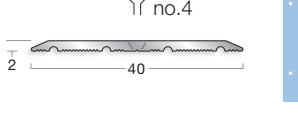
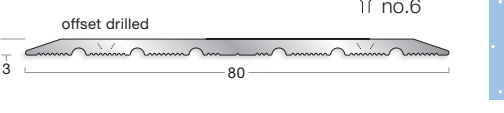
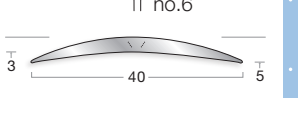
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Cover Strips

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
SCSP451 	Stainless Steel	2.70m	 F8 Polished
SCS451SF8G 	Stainless Steel	2.70m	 F8G Matt
SCS451SF8 	Stainless Steel	2.70m	 F8 Polished
SCSM454 	Stainless Steel	2.70m	 F8G Matt
SCSP454 	Stainless Steel	2.70m	 F8 Polished
SCS454SF8G 	Stainless Steel	2.70m	 F8G Matt
SCS454SF8 	Stainless Steel	2.70m	 F8 Polished
SCSM455 	Stainless Steel	2.70m	 F8G Matt
SCSP455 	Stainless Steel	2.70m	 F8 Polished

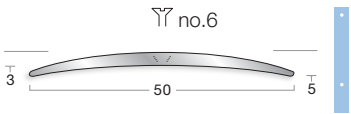

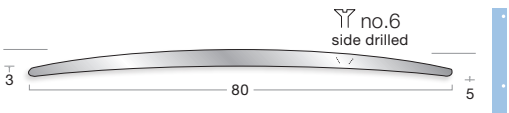

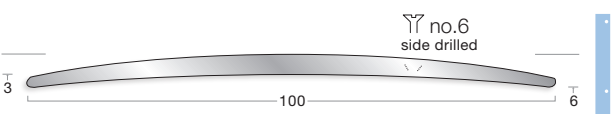



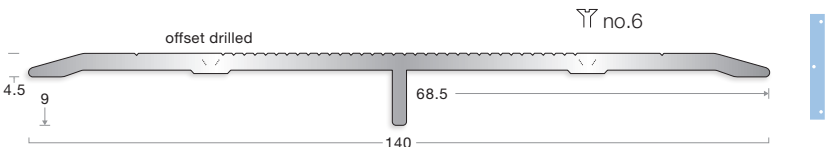
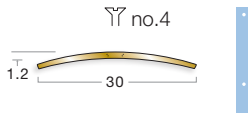

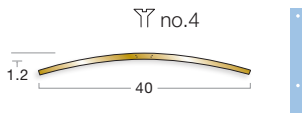

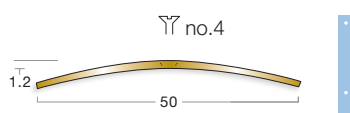

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Cover Strips

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
SCSM474 	Stainless Steel	2.70m	F8G Matt
SCS474SF8G 	Stainless Steel	2.70m	F8G Matt
SCSM475 	Stainless Steel	2.70m	F8G Matt
SCS475SF8G 	Stainless Steel	2.70m	F8G Matt
ACS38 	Aluminium	2.50m 2.75m	Mill Finish
ACS52 	Aluminium	2.50m 2.75m	Mill Finish
ACS441 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
ACS444 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
ACS462F3 	Aluminium	2.70m	F3 Polished

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Cover Strips

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ACS463F3 	Aluminium	2.70m	 F3 Polished
AJC465SF4  <p>ideal for use as an expansion joint cover to allow movement</p>	Aluminium	2.70m	 F4 Silver Anodised
AJC466SF4  <p>ideal for use as an expansion joint cover to allow movement</p>	Aluminium	2.70m	 F4 Silver Anodised
ACS470S <p>See below</p>	Aluminium	3.00m	 F3 Polished  F4 Silver Anodised
			
BCS452F7 	Brass	2.70m	 F7 Polished
BCS454F7 	Brass	2.70m	 F7 Polished
BCS455F7 	Brass	2.70m	 F7 Polished

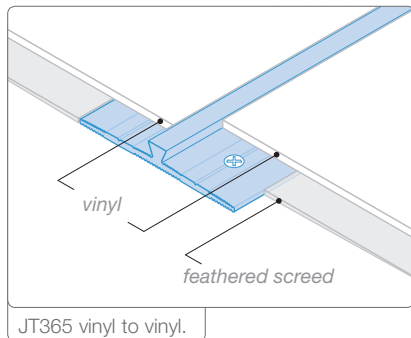
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Joint Trims

For use with floorcoverings of the same height.
Allows joints to be neatly finished.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



JT365 vinyl to vinyl.

Key



Pre-punched with tabs and fixing holes for on-site curving.



Solid base with countersunk holes for straights.

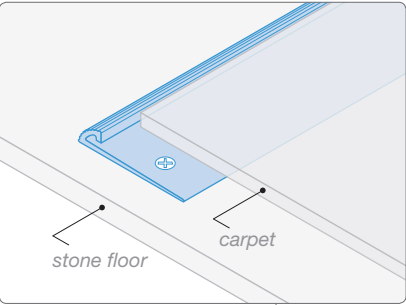
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
JT365 	Aluminium	3.00m	F3 Polished F4 Silver Anodised
JT365EBF4 	Aluminium	3.00m	F4 Silver Anodised
JT366 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
JT366EBF4 	Aluminium	2.70m	F4 Silver Anodised

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Finishing Trims

Used to form a neat and clean finish to the edge of a floorcovering where it either finishes or meets another floorcovering. Protects the edge of floorcoverings, prevents damage and ensures that the floorcovering does not lift and become a trip hazard.

 Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



ACT61 carpet to stone floor.

Key



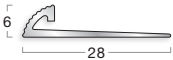


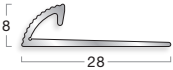


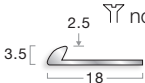



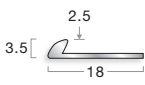



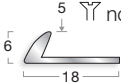



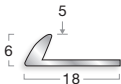



Pre-punched with tabs and fixing holes for on-site curving.



Solid base for straights.



Solid base with countersunk holes for straights.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ACT61  	Aluminium	2.50m	 Mill Finish
ACT81  	Aluminium	2.50m	 Mill Finish
ET356  	Aluminium	2.50m	 F3 Polished  F4 Silver Anodised
ET356EBF4   	Aluminium	2.50m	 F4 Silver Anodised
ET359  	Aluminium	2.50m	 F3 Polished  F4 Silver Anodised
ET359EBF4   	Aluminium	2.50m	 F4 Silver Anodised

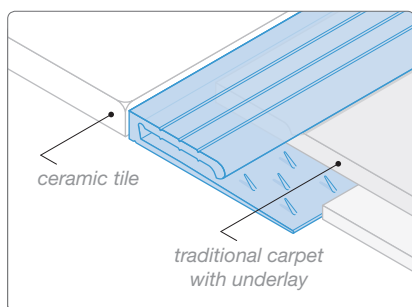
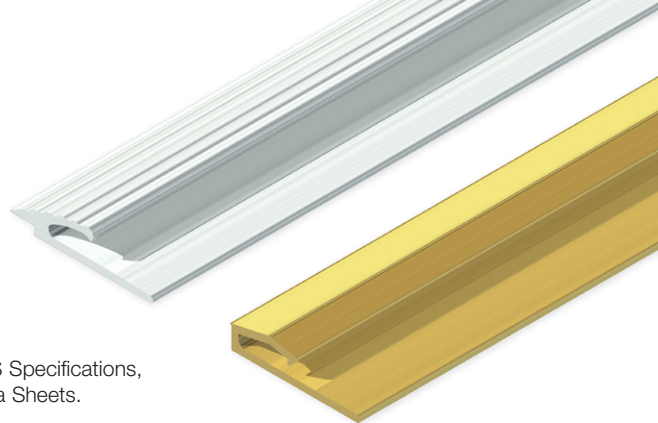
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Nap Trims

Used to provide a neat edge or join between carpet and other types of floorcovering such as resilient flooring or ceramics. Certain nap trims (ANT355, CG1042 & BCT16) are also commonly used as 'binder' bars in conjunction with a stair edging (see page 57 for more details).



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



CG1042 ceramic tile to carpet.

Key



Solid base for straights.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

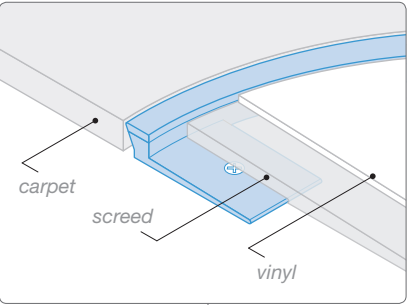
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ANT27 	Aluminium	2.44m 2.75m 3.20m	Mill Finish
ANT355 	Aluminium Available with or without carpet gripper	2.44m 2.75m 3.20m	Mill Finish
CG1042 	Aluminium Available with or without carpet gripper	2.44m 2.75m 3.20m	Mill Finish
BCT16 	Bronze Available with or without carpet gripper	2.50m 2.75m 3.20m	Polished
BCT18 	Bronze Available with or without carpet gripper	2.50m 2.75m 3.20m	Polished

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Edge Trims


Used to edge floorcoverings and to provide a neat join between floorcoverings such as carpet, carpet tiles, wood laminate and resilient floorcoverings. TA8 is also ideal as a day joint profile for resin floors as it is suitable for on-site polishing and finishing.

 Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.




GT61 carpet to vinyl.

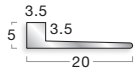


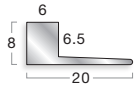


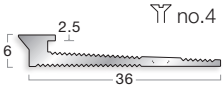



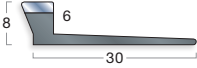






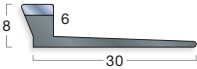








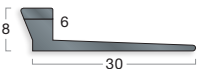





Key



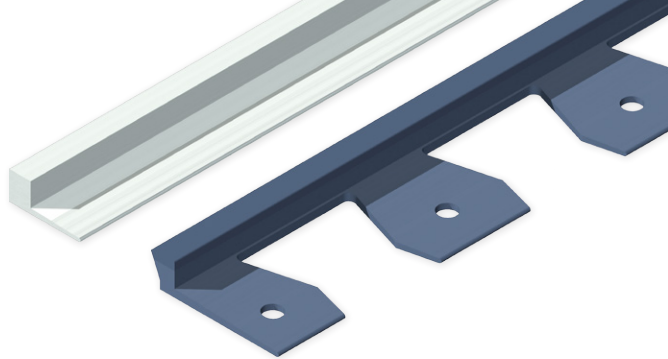
Pre-punched with tabs and fixing holes for on-site curving.



Solid base for straights.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
TA6  	Aluminium	2.75m	 Mill Finish
TA8  	Aluminium	3.00m	 Mill Finish
ET367  	Aluminium	2.70m	 F3 Polished  F4 Silver Anodised
GT61M    800mm	Pvc Top PVC-u Base	2.50m	 Burnt Almond  Zinc  Doubloon  Platinum  Silver
GT61R    800mm	Pvc Top PVC-u Base	2.50m	 Black  Brown  Granite  Bluebell  Dove  Clay
PET276  	Pvc Top PVC-u Base	2.50m	 Black  Brown  Granite  Dove

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

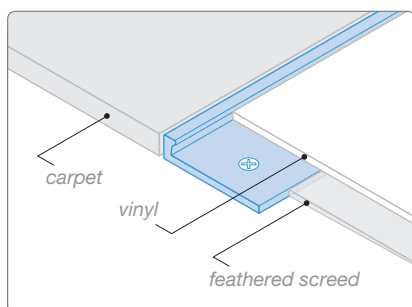


Multi-Purpose Trims

A range of profiles used to join and edge a variety of floorcoverings of heights from 4.5mm to 15mm. Three options available: pre-punched with tabs and fixing holes for on-site curving; solid base for straights; and perforated with fixing holes for straights and for use with ceramics. Can be used as a recessed matwell frame.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



ETR302UF0 carpet tile to vinyl.

Key



Pre-punched with tabs and fixing holes for on-site curving.



Solid base for straights.

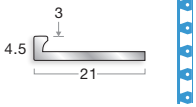

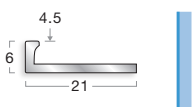
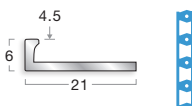






Perforated with fixing holes for straights and use with ceramics.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR299F0 	Aluminium	2.50m	F0 Natural
ETR299UF0 	Aluminium	2.50m	F0 Natural
ETR299GF0 	Aluminium	2.50m	F0 Natural
ETR301F0 	Aluminium	2.50m	F0 Natural
ETR301UF0 	Aluminium	2.50m	F0 Natural

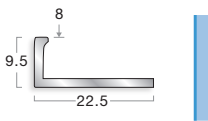

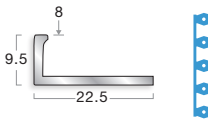



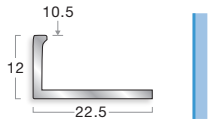

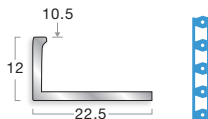



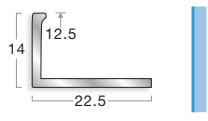

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Multi-Purpose Trims

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR301GF0 	Aluminium	2.50m	■ F0 Natural
ETR302F0 	Aluminium	2.50m	■ F0 Natural
ETR302UF0 	Aluminium	2.50m	■ F0 Natural
ETR302GF0 	Aluminium	2.50m	■ F0 Natural
ETR307F0 	Aluminium	2.50m	■ F0 Natural
ETR307UF0 	Aluminium	2.50m	■ F0 Natural
ETR307GF0 	Aluminium	2.50m	■ F0 Natural
ETR303F0 	Aluminium	2.50m	■ F0 Natural

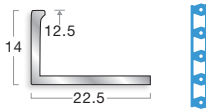

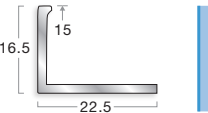
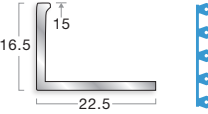
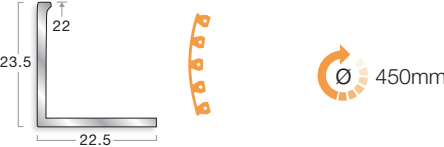
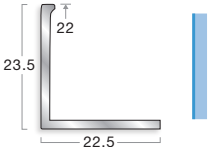
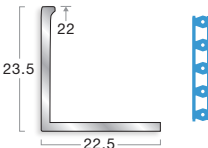
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Symbol key - page 93.

Multi-Purpose Trims

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR303UF0 	Aluminium	2.50m	 F0 Natural
ETR303GF0 	Aluminium	2.50m	 F0 Natural
ETR304F0 	Aluminium	2.50m	 F0 Natural
ETR304UF0 	Aluminium	2.50m	 F0 Natural
ETR304GF0 	Aluminium	2.50m	 F0 Natural
ETR305F0 	Aluminium	2.50m	 F0 Natural
ETR305UF0 	Aluminium	2.50m	 F0 Natural

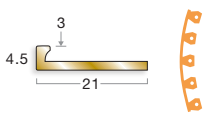

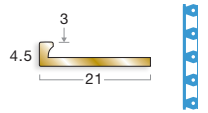

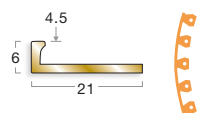

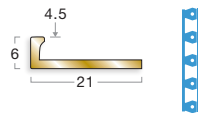

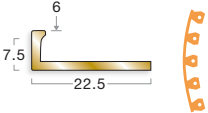

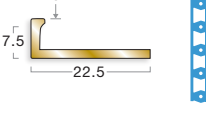

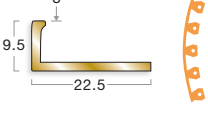

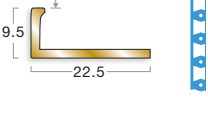

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Symbol key - page 93.

Multi-Purpose Trims

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR305GF0 	Aluminium	2.50m	■ F0 Natural
ETR306F0 	Aluminium	2.50m	■ F0 Natural
ETR306UF0 	Aluminium	2.50m	■ F0 Natural
ETR306GF0 	Aluminium	2.50m	■ F0 Natural
ETR309F0 	Aluminium	2.50m	■ F0 Natural
ETR309UF0 	Aluminium	2.50m	■ F0 Natural
ETR309GF0 	Aluminium	2.50m	■ F0 Natural

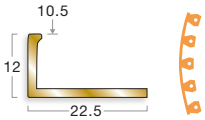

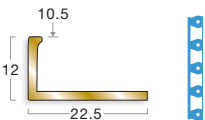

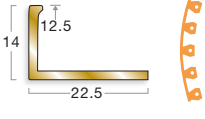

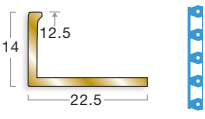

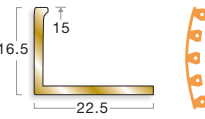

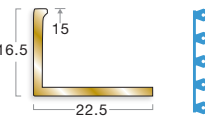

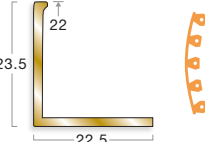

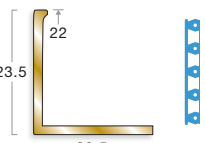

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Symbol key - page 93.

Multi-Purpose Trims

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR301F7 	Brass	2.50m	 F7 Polished
ETR301GF7 	Brass	2.50m	 F7 Polished
ETR302F7 	Brass	2.50m	 F7 Polished
ETR302GF7 	Brass	2.50m	 F7 Polished
ETR307F7 	Brass	2.50m	 F7 Polished
ETR307GF7 	Brass	2.50m	 F7 Polished
ETR303F7 	Brass	2.50m	 F7 Polished
ETR303GF7 	Brass	2.50m	 F7 Polished

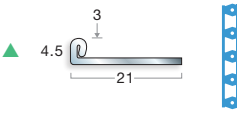
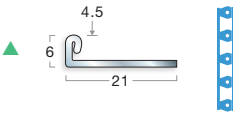
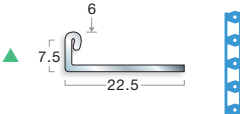
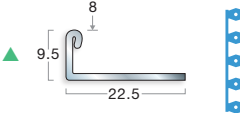
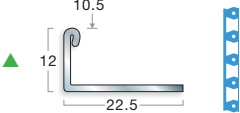
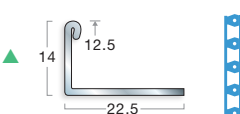
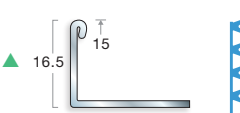
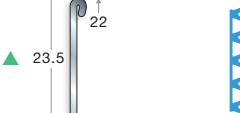
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Symbol key - page 93.

Multi-Purpose Trims

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR304F7 	Brass	2.50m	 F7 Polished
ETR304GF7 	Brass	2.50m	 F7 Polished
ETR305F7 	Brass	2.50m	 F7 Polished
ETR305GF7 	Brass	2.50m	 F7 Polished
ETR306F7 	Brass	2.50m	 F7 Polished
ETR306GF7 	Brass	2.50m	 F7 Polished
ETR309F7 	Brass	2.50m	 F7 Polished
ETR309GF7 	Brass	2.50m	 F7 Polished

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Symbol key - page 93.

Multi-Purpose Trims

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ETR301GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR302GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR307GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR303GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR304GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR305GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR306GF8 	Stainless Steel	2.50m	■ F8 Polished
ETR309GF8 	Stainless Steel	2.50m	■ F8 Polished

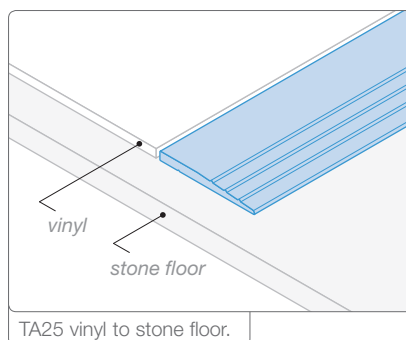
▲ Note there is a +/- 0.5mm tolerance on the height of stainless steel multi-purpose trims.
 Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice. Symbol key - page 93.

Feather Edges

Used to finish the raw exposed edge of resilient floorcoverings. Typically used at the junction with terrazzo or stone floors.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

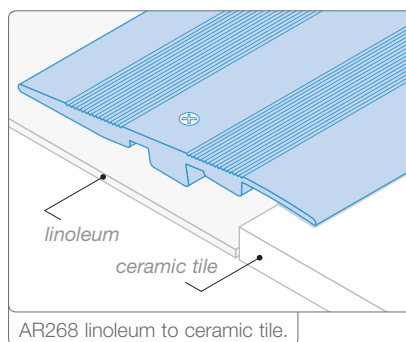


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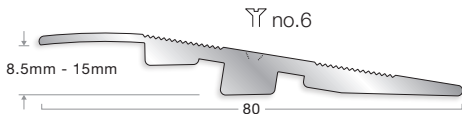


CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
TA25 	Aluminium	2.50m	 Mill Finish
T200 	pvc	15m coil	 Black  Brown  Granite  Dove
T250 	pvc	15m coil	 Black  Brown  Granite  Dove
T300 	pvc	15m coil	 Black  Brown  Granite  Dove

Heavy-Duty Ramp

Used to provide a transition for floorcoverings with a height of between 8.5mm and 15mm.
 8.5mm to 13mm - suitable for heavy wheeled traffic.
 13mm to 15mm - suitable for light wheeled traffic, e.g. wheelchairs and pushchairs.
 Supplied pre-drilled with countersunk holes.



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CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
AR268 	Aluminium	2.70m	 F0 Natural Aluminium  F4 Silver Anodised

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Ramp Edges - Aluminium

Used to join floorcoverings such as carpet or resilient flooring to flooring of a lower height, e.g. stone, concrete or resilient.

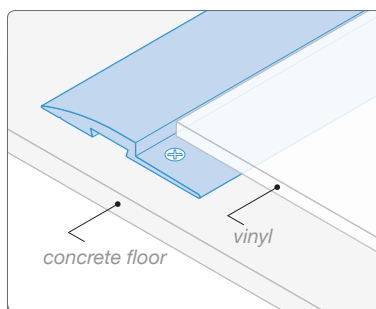
Key



Solid base
for straights.



Solid base with
countersunk holes
for straights.



TA16 vinyl to concrete floor.



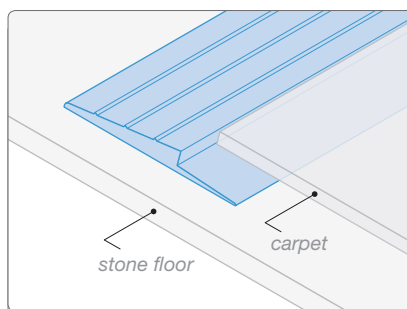
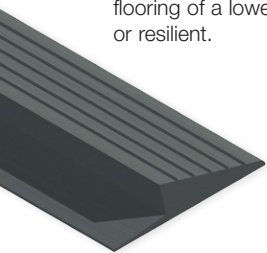
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
RT264 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
RT265 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
TA16 	Aluminium	2.75m	Mill Finish
RT330 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
RT250S 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
RT247 	Aluminium	2.70m	F3 Polished F4 Silver Anodised
RT245 	Aluminium	2.70m	F3 Polished F4 Silver Anodised

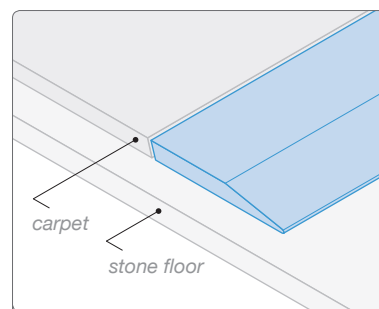
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Ramp Edges - Pvc

Used to join floorcoverings such as carpet to flooring of a lower height, e.g. stone, concrete or resilient.



PCR632 carpet to stone floor.



T450 carpet to stone floor.



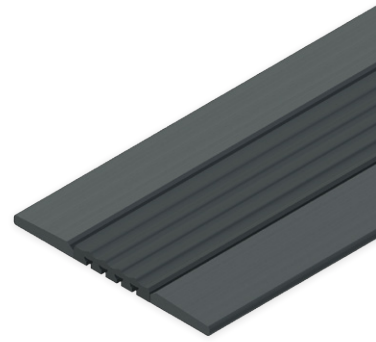
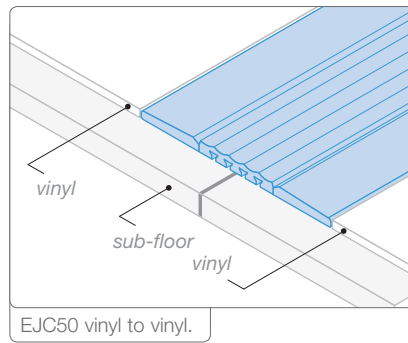
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
CVT5 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Dove
CTR5 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Dove
PCR632 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Dove
PCR932 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Dove
T450 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Dove
T600 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Dove





Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Construction Joint Covers

Used to provide a cover for construction joints offering a neat solution that allows minor movement to occur. Profiles are adhered using contact adhesive, applied to the solid outer sections only. Note: EJC profiles are not recommended for structural expansion joints.

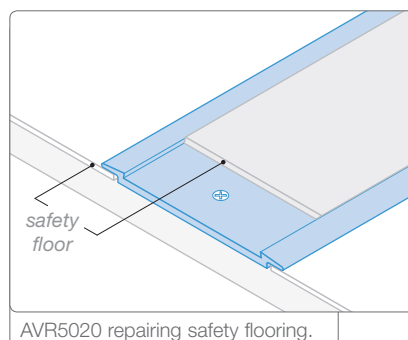


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CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
EJC50 	pvc	15m coil	<ul style="list-style-type: none"> Black Brown Granite Dove
EJC75 	pvc	15m coil	<ul style="list-style-type: none"> Black Brown Granite Dove
EJC75 3.2 	pvc	15m coil	<ul style="list-style-type: none"> Black Brown Granite Dove
EJC125 	pvc	15m coil	<ul style="list-style-type: none"> Black Brown Granite Dove

Floor Repair Trim

Used to repair resilient floorcoverings where welded joints have failed. Utilises strips of the same floorcovering to provide an unobtrusive repair. Can be used at door interfaces to provide a robust transition. Supplied pre-drilled with countersunk holes.



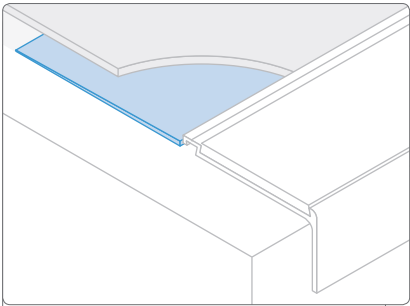
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CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
AVR5020  Shown with floorcovering for illustration purposes only (not supplied)	Aluminium	3.20m	<ul style="list-style-type: none"> Mill Finish

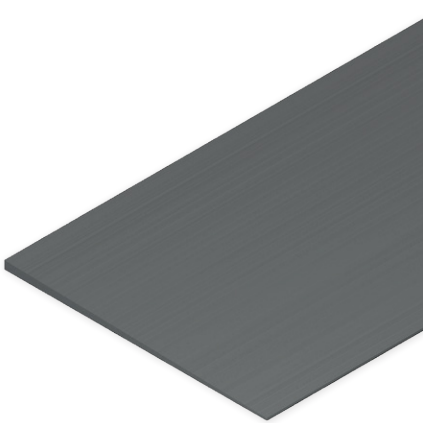
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Bevelled Underlay




Used as a diminishing strip and is ideal for building up the height of resilient floorcovering to meet a thicker gauge material or a stair edging. Grooves along the underside of BU800 provide a straight cutting edge at points where the thickness gives ideal height adjustment.



BU200 used to build up 3.2mm linoleum.



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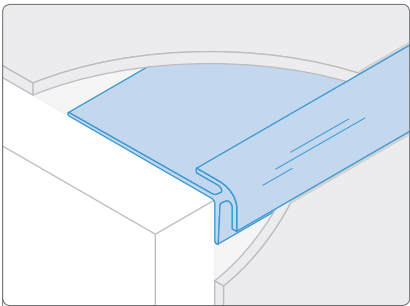
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
BU200 	pvc	15m coil	 Black
BU800 see below	pvc	15m coil	 Black



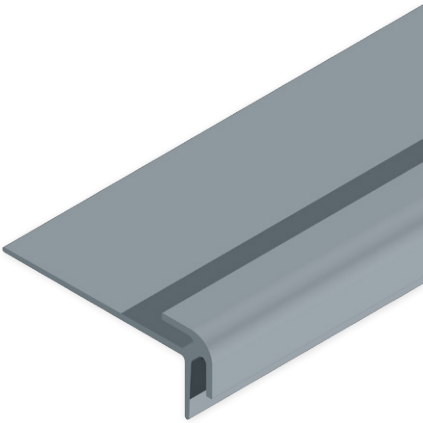
BU profiles contain up to 50% recycled content.

Dual Trim

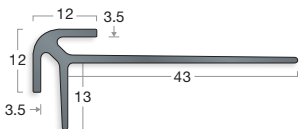




Used to provide a neat finish to the edge of raised areas such as tiered seating in lecture theatres or display platforms in retail environments. Suitable for use with resilient floorcoverings and thin gauge carpet. Note: NOT suitable for use as a stair edging.



DT50 fitted with 3.2mm linoleum.



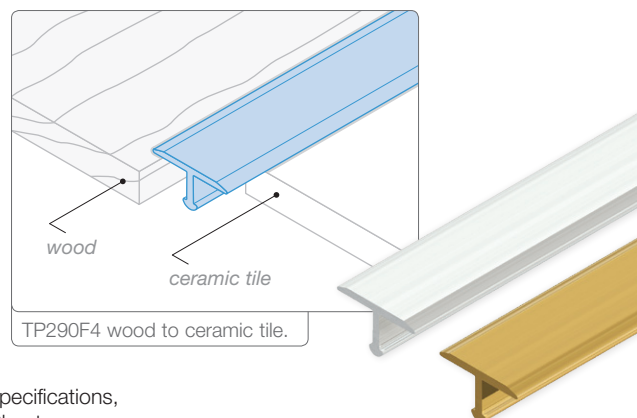
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CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
DT50 	PVC-u	2.50m	 Black  Brown  Granite  Dove

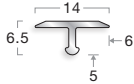

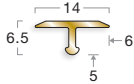

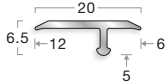

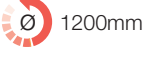
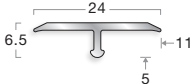

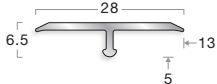

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Transition T Profiles

Used for joining different floorcoverings of the same, or slightly differing, heights. The design of the T profiles allows slight imperfections in joints and cuts to be hidden, and enables a gap between floor finishes to be incorporated during installation to allow for natural expansion in flooring materials such as ceramics and wood. Profiles can be curved on-site using a bending machine for shaped edges and inlays (see page 84). T profiles are fitted after the floorcoverings have been installed, making them ideal for use when the installation of the floorcoverings is undertaken by different trades (e.g. ceramic contractors and flooring contractors) where the trims cannot be fixed until both floors have been completed.



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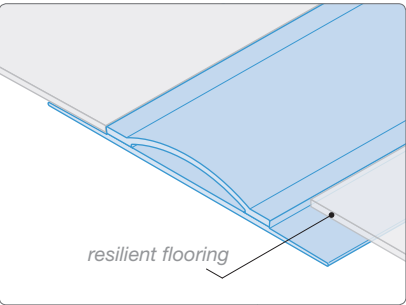
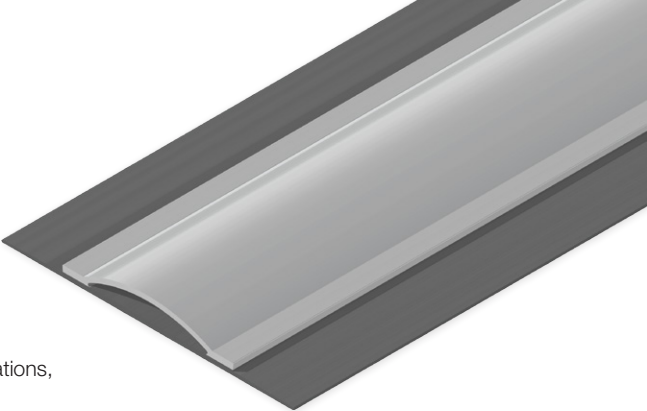
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
TP290F4   Bending machine required see page 84	Aluminium	2.70m	F4 Silver Anodised
TP290F7   Bending machine required see page 84	Brass	2.70m	F7 Polished
TP291F4    Bending machine required see page 84	Aluminium	2.70m	F4 Silver Anodised
TP295F4   Bending machine required see page 84	Aluminium	2.70m	F4 Silver Anodised
TP293F4   Bending machine required see page 84	Aluminium	2.70m	F4 Silver Anodised

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

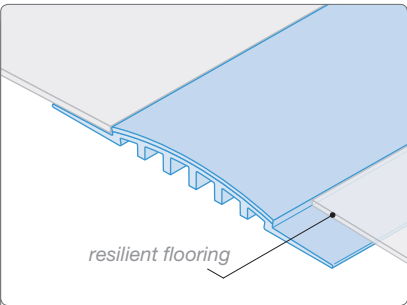
Wetroom Transition Strips

Wetroom transition strips are designed to be incorporated into the resilient flooring in wetrooms and shower areas in order to contain water and prevent it encroaching into dry areas. Gradus WTS wetroom transition strips are tested for slip-resistance in barefoot areas and are designed to be safe and comfortable underfoot whilst allowing wheelchair access.

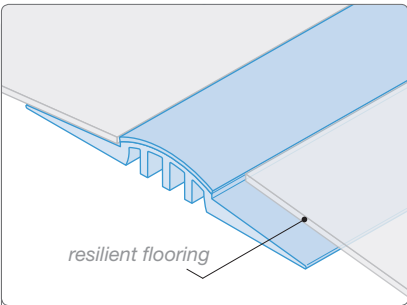
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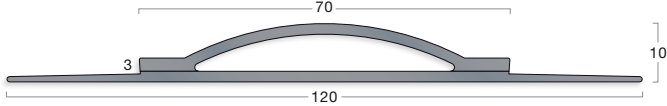
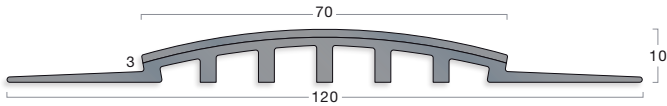
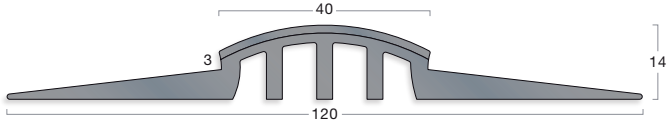
WTS1 with resilient flooring.



WTS2 with resilient flooring.



WTS3 with resilient flooring.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
WTS1 	pvc	2.00m	<div> <div>Coffee</div> <div>Lead</div> <div>Steel</div> <div>Clay</div> <div>Canvas</div> </div>
WTS2 	pvc	2.00m	<div> <div>Coffee</div> <div>Lead</div> <div>Steel</div> <div>Clay</div> <div>Canvas</div> </div>
WTS3 	pvc	2.00m	<div> <div>Coffee</div> <div>Lead</div> <div>Steel</div> <div>Clay</div> <div>Canvas</div> </div>

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

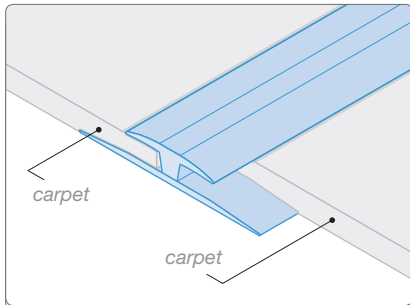
Threshold Trims

Used to join floorcoverings of the same height usually at door or room thresholds. Typically used at door interfaces or to define changes in area.

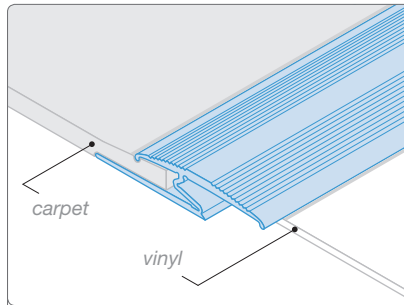
Key

Solid base for straights.

Solid base with countersunk holes for straights.



TH495 carpet to carpet.



TH382 carpet to vinyl.

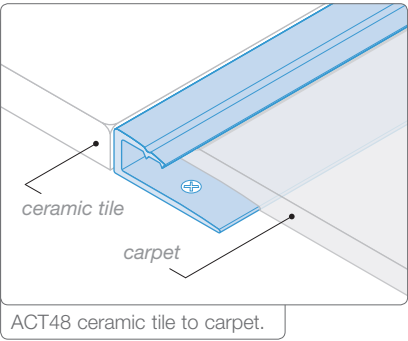
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
TH382 	Aluminium	2.70m	<ul style="list-style-type: none"> F3 Polished F4 Silver Anodised
<p><i>Folding points</i></p>	TH382 and TH383 - the top section should be lightly dressed down using a rubber mallet after installation to ensure a tight fit to edges of both floorcoverings.		
TH383 	Aluminium	2.70m	<ul style="list-style-type: none"> F3 Polished F4 Silver Anodised
TH495 	pvc Top PVC-u Base	2.50m	<ul style="list-style-type: none"> Zinc Doublon Platinum Silver
CET5 	pvc	2.00m	<ul style="list-style-type: none"> Black Brown Granite Bluebell Dove Clay

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Square Edge Trims

Typically used with carpet, carpet tile, wood and wood laminate at the junction with other flooring materials such as other carpets, ceramics and wood. Provide a neat finish to floorcoverings, protecting the edges from damage and also hiding any slight imperfections in joints or cuts. Selected square edges are also available with pre-punched bases and tabs for on-site curving as indicated.

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Key



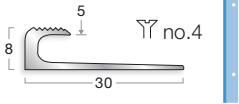

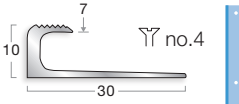
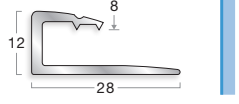
Pre-punched with tabs and fixing holes for on-site curving.



Solid base for straights.

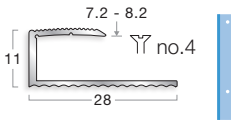


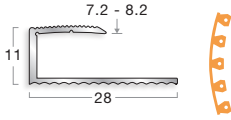


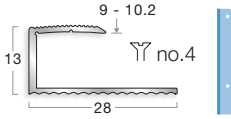


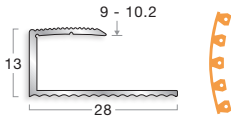




Solid base with countersunk holes for straights.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ET806 	Aluminium	2.50m	<div>■ F3 Polished</div> <div>■ F4 Silver Anodised</div>
ET806EBF4 	Aluminium	2.50m	<div>■ F4 Silver Anodised</div>
ET805 	Aluminium	2.50m	<div>■ F3 Polished</div> <div>■ F4 Silver Anodised</div>
ET805EBF4 	Aluminium	2.50m	<div>■ F4 Silver Anodised</div>
ACT48 	Aluminium Available with or without carpet gripper	3.20m	<div>■ Mill Finish</div>

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Square Edge Trims

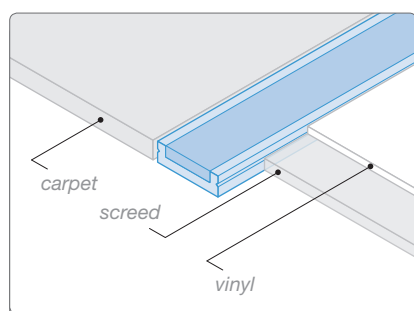
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
ET210 	Aluminium	2.70m	 F3 Polished  F4 Silver Anodised
ET210EBF4   Bending machine required see page 84	Aluminium	2.70m	 F4 Silver Anodised
ET212 	Aluminium	2.70m	 F3 Polished  F4 Silver Anodised
ET212EBF4   Bending machine required see page 84	Aluminium	2.70m	 F4 Silver Anodised

Feature Strip

Acts as a joining strip to help define walkways or separate floorcoverings of the same height. Utilises pvc insert material to add colour and design (supplied separately - see page 17 for larger colour swatches).



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



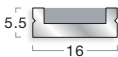
FCA16 carpet to vinyl.

Standard Insert

Jet	Midnight	Lead
Ink	Evergreen	Steel
Burgundy	Ocean	Cloud
Coffee	Poppy	Linen

Grained Insert

Black
Brown
Granite
Dove

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
FCA16 + INS12 	FCA16 Aluminium	2.50m	See above
	INS12 pvc insert	2.50m / 15m coil	
	Insert tape	51m coil	

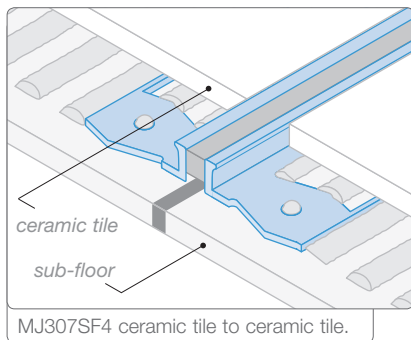
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Movement Joints

Are used to join floorcoverings where expansion up to 1.5mm is required. Designed specifically for use with flooring materials such as ceramic tile, marble, stone, terrazzo and resins only. All profiles feature a perforated base for fixing.




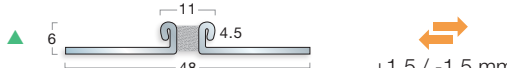
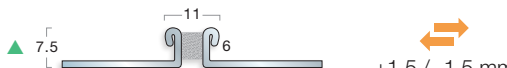
Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
MJ301SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised
MJ302SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised
MJ307SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised
MJ303SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised
MJ304SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised
MJ305SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised
MJ306SF4 +1.5 / -1.5 mm	Aluminium with grey or black silicone joint	2.50m	F4 Silver Anodised

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Movement Joints

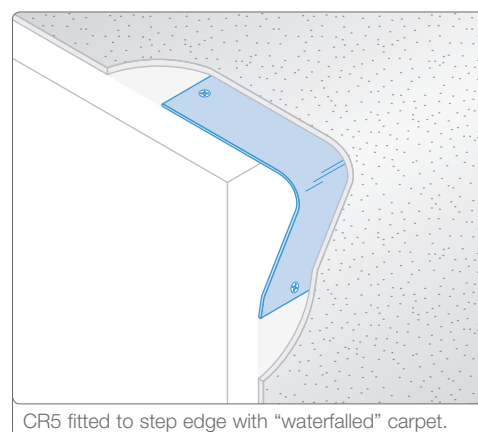
CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
MJ301SF8 	Stainless Steel with grey or black silicone joint	2.50m	F8 Polished
MJ302SF8 	Stainless Steel with grey or black silicone joint	2.50m	F8 Polished
MJ307SF8 	Stainless Steel with grey or black silicone joint	2.50m	F8 Polished

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

▲ Note there is a +/- 0.5mm tolerance on the height of stainless steel movement joint profiles.

Contour Edge

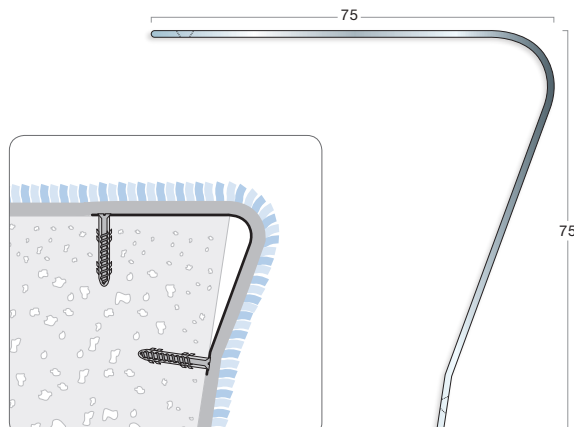
Contour Edge is designed to be used where a stair edging is not required and the carpet is "waterfalled" from the top to the bottom of a flight of stairs, usually in domestic applications or buildings exempt from standard building guidelines e.g. heritage buildings. It also helps to reduce wear to both the floorcovering and the leading edge of the step. Supplied pre-drilled.



CR5 fitted to step edge with "waterfalled" carpet.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

CODE / PROFILE	MATERIAL	LENGTH	COLOURS / FINISHES
CR5 	Stainless Steel	2.50m	Mill Finish

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



Section 3

Expansion Joint Covers

Information to ensure the correct selection of expansion joint covers. Details of all Gradus expansion joint covers can be found in this section.

Expansion Joint Covers



Description

Expansion joint covers protect a building's appearance by covering up expansion joints.

They also help to protect expansion joints from dirt and debris and create a safe transition between floor coverings for pedestrian and wheeled traffic.

Profile Information

- The following Gradus profiles offer a simple yet practical range of expansion joint covers
- Each profile has been engineered to provide different features and benefits to cover a range of different joint widths and installation types

Colour

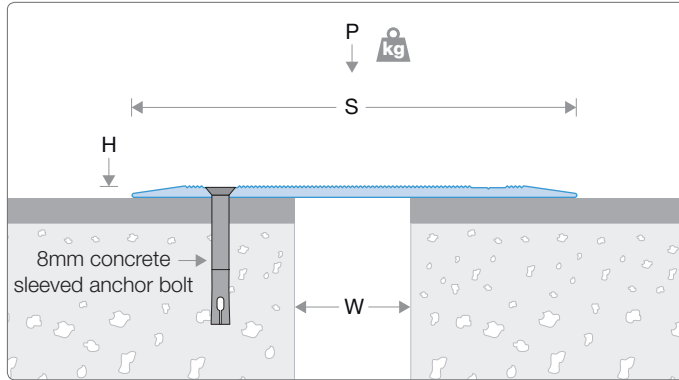
- Mill finish aluminium



881 Series - Expansion Joint Covers

Profile Information

- Bevelled edges and serrated finish provide slip-resistance for pedestrian safety
- Economical solution for retrofit and surface mount installations between level surfaces
- Mill finish aluminium - supplied in 3m lengths, pre-drilled with countersunk holes

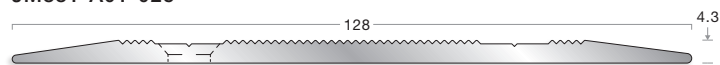


JM881-A01 Floor to Floor cover shown with 8mm concrete sleeved anchor bolt for illustrative purposes only.

APPLICATION	PROFILE	W	H	S	P	MOVEMENT +/-
		Nominal Joint Width mm	Frame Height mm	Sightline mm	Point Load * kg	Horizontal ** mm
Floor to Floor	JM881-A01-025	up to 25mm	4.3mm	128mm	250kg	30%
	JM881-A01-050	up to 50mm	4.3mm	168mm	250kg	30%

* Achieved using a 25mm diameter surface. ** Figure calculated for maximum nominal width only.

JM881-A01-025



JM881-A01-050

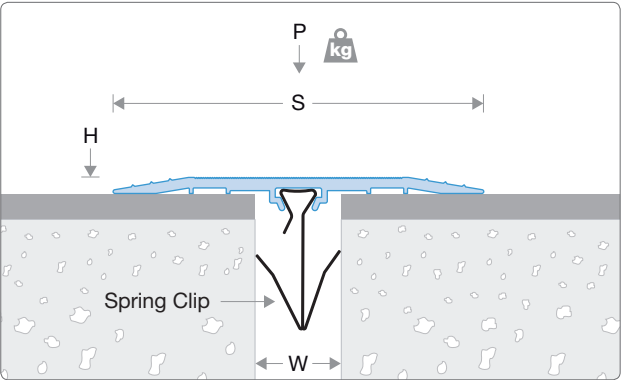
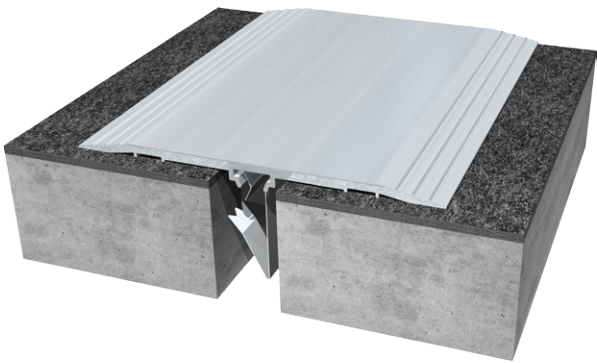


Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

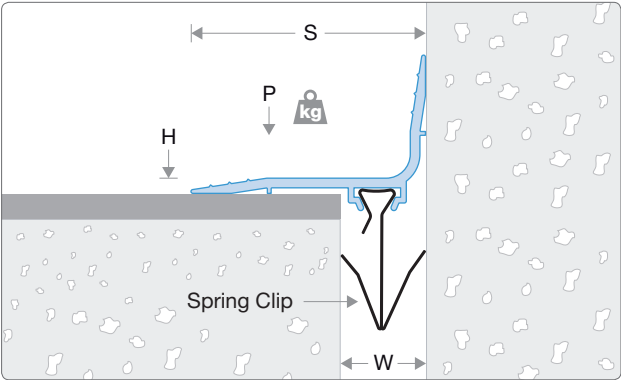
884 Series - Expansion Joint Covers

Profile Information

- Bevelled edges and serrated finish provide slip-resistance for pedestrian safety
- Economical solution for retrofit and surface mount installations
- Spring clip design for easy on-site installation
- Mill finish aluminium - supplied in 3m lengths, 7 spring clips per length included



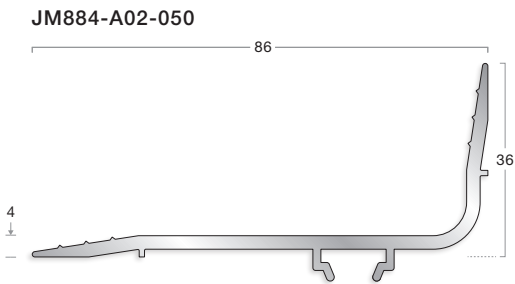
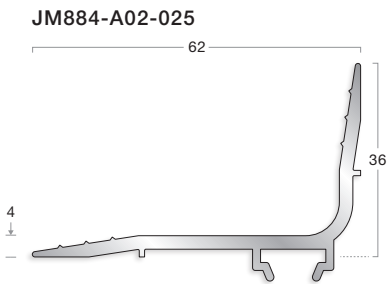
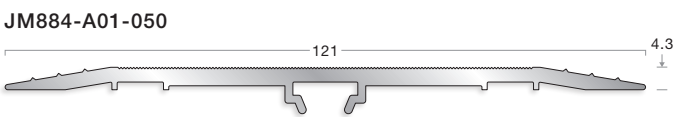
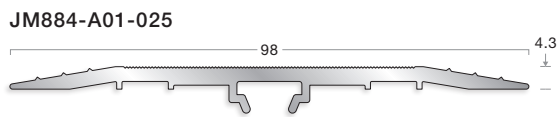
JM884-A01 Floor to Floor



JM884-A02 Floor to Wall

APPLICATION	PROFILE	W	H	S	P	MOVEMENT +/-
		Nominal Joint Width mm	Frame Height mm	Sightline mm	Point Load * kg	Horizontal ** %
Floor to Floor	JM884-A01-025	up to 25mm	4.3mm	98mm	250kg	30%
	JM884-A01-050	up to 50mm	4.3mm	121mm	250kg	30%
Floor to Wall	JM884-A02-025	up to 25mm	4mm	62mm	250kg	30%
	JM884-A02-050	up to 50mm	4mm	86mm	250kg	30%

* Achieved using a 25mm diameter surface. ** Figure calculated for maximum nominal width only.

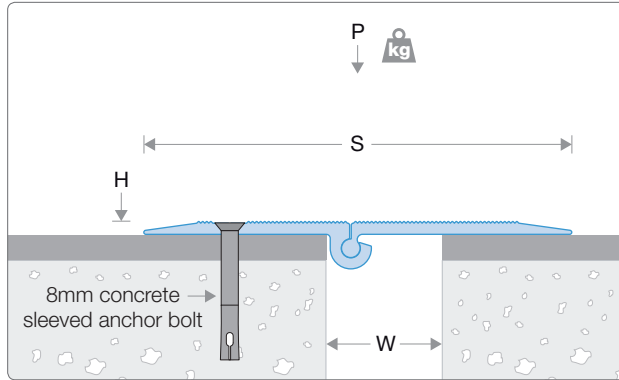


Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

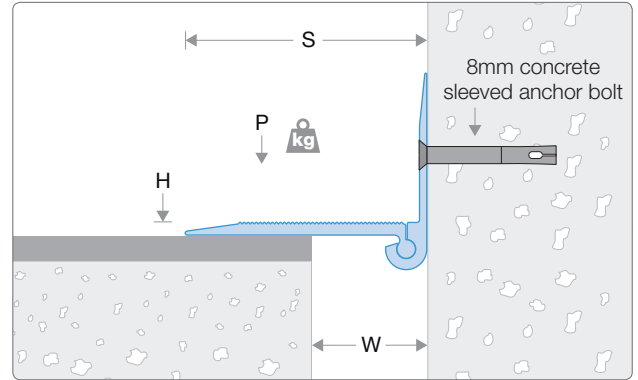
886 Series - Expansion Joint Covers

Profile Information

- Bevelled edges and serrated finish provide slip-resistance for pedestrian safety
- Economical solution for retrofit and surface mount installations
- Designed for uneven slab conditions
- Mill finish aluminium - supplied in 3m lengths, pre-drilled with countersunk holes



JM886-A01 Floor to Floor cover shown with 8mm concrete sleeved anchor bolt for illustrative purposes only.

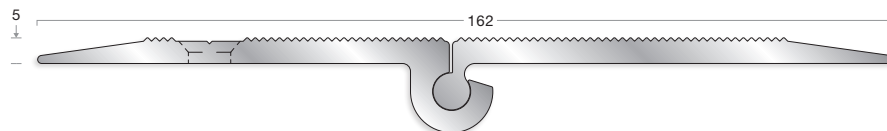


JM886-A02 Floor to Wall cover shown with 8mm concrete sleeved anchor bolt for illustrative purposes only.

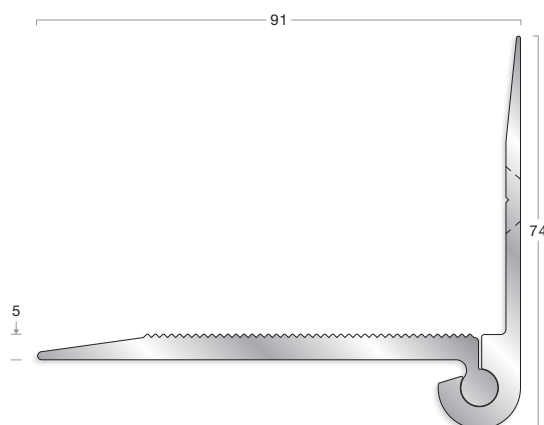
APPLICATION	PROFILE	W	H	S	P	MOVEMENT +/-
		Nominal Joint Width mm	Frame Height mm	Sightline mm	Point Load * kg	Horizontal ** %
Floor to Floor	JM886-A01-050	up to 50mm	5mm	162mm	250kg	30%
Floor to Wall	JM886-A02-050	up to 50mm	5mm	91mm	250kg	30%

* Achieved using a 25mm diameter surface. ** Figure calculated for maximum nominal width only.

JM886-A01-050



JM886-A02-050

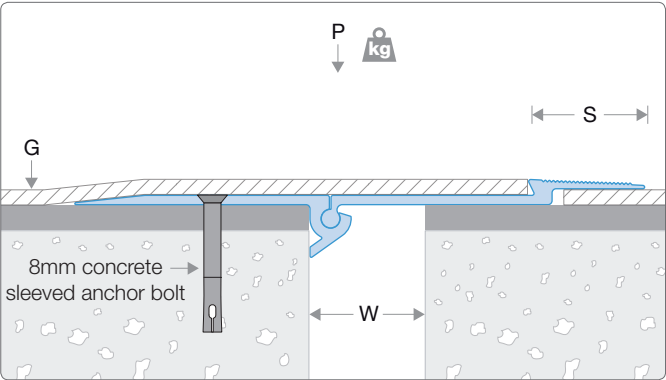


Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

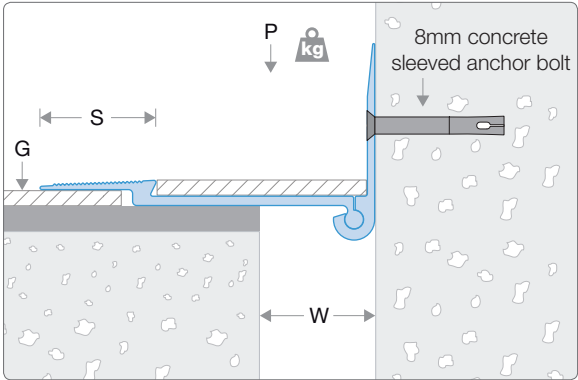
887 Series - Expansion Joint Covers

Profile Information

- Design accommodates various flooring thicknesses and finishes from carpet to vinyl
- Overlap design reduces sightline
- Easy to install
- Economical solution for retrofit and surface mount installations
- Mill finish aluminium - supplied in 3m lengths, pre-drilled with countersunk holes



JM887-A01 Floor to Floor cover shown with 8mm concrete sleeved anchor bolt for illustrative purposes only.

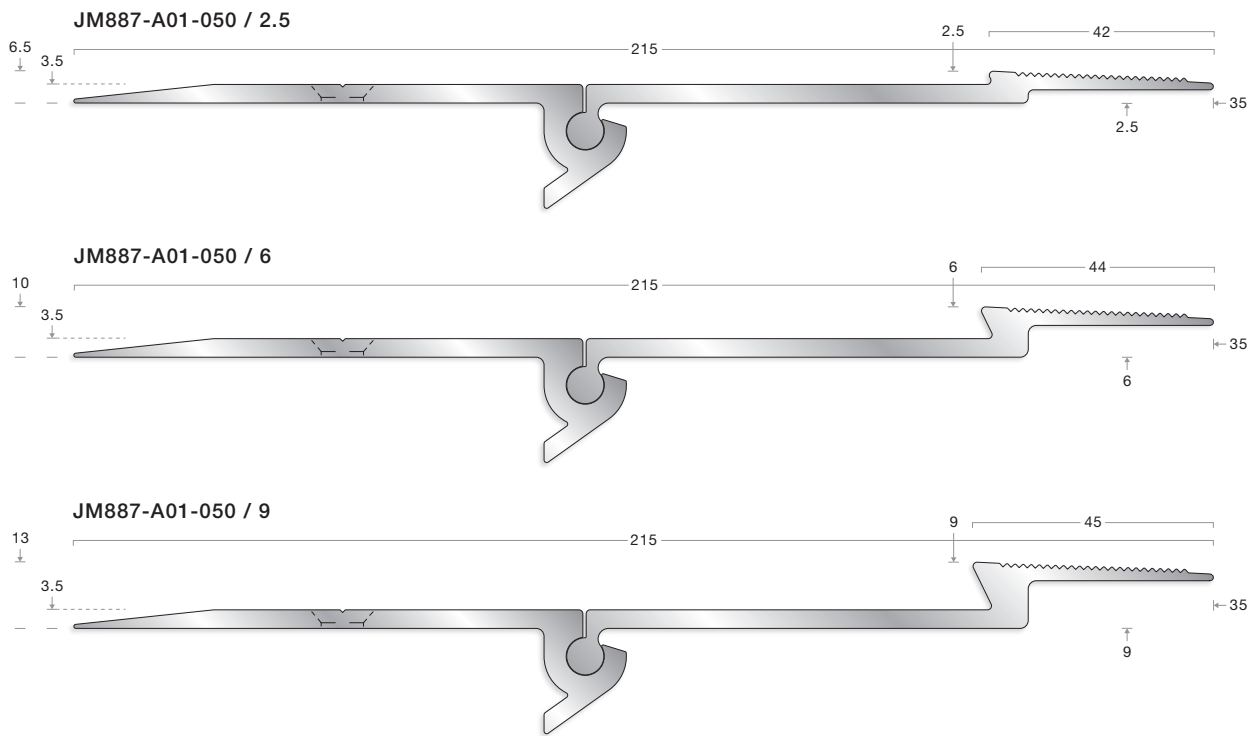


JM887-A02 Floor to Floor cover shown with 8mm concrete sleeved anchor bolt for illustrative purposes only.

APPLICATION	PROFILE	W	G	S	P	MOVEMENT +/-
		Nominal Joint Width mm	Frame Gauge * mm	Sightline mm	Point Load ** kg	Horizontal *** %
Floor to Floor	JM887-A01-050 / 2.5	up to 50mm	2.5mm	42mm	250kg	30%
	JM887-A01-050 / 6	up to 50mm	6mm	44mm	250kg	30%
	JM887-A01-050 / 9	up to 50mm	9mm	45mm	250kg	30%

* If used with carpet, compressed thickness of carpet should always be a tight fit to the internal gauge of the profile.

** Achieved using a 25mm diameter surface. *** Figure calculated for maximum nominal width only.



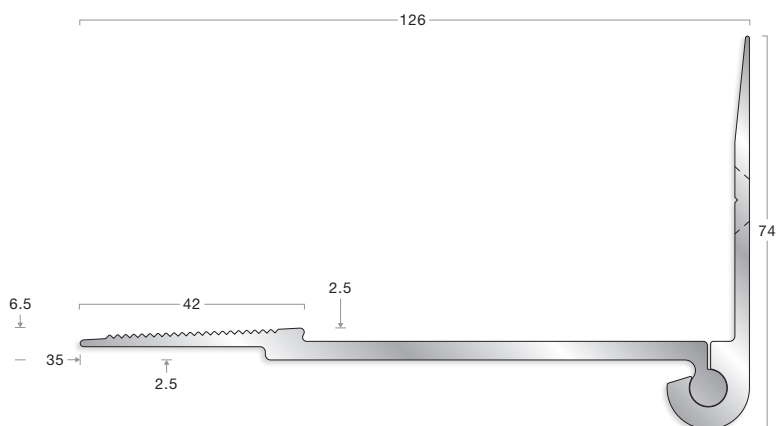
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

APPLICATION	PROFILE	W	G	S	P	MOVEMENT +/-
		Nominal Joint Width mm	Frame Gauge * mm	Sightline mm	Point Load ** kg	Horizontal *** %
Floor to Wall	JM887-A02-050 / 2.5	up to 50mm	2.5mm	42mm	250kg	30%
	JM887-A02-050 / 6	up to 50mm	6mm	44mm	250kg	30%
	JM887-A02-050 / 9	up to 50mm	9mm	45mm	250kg	30%

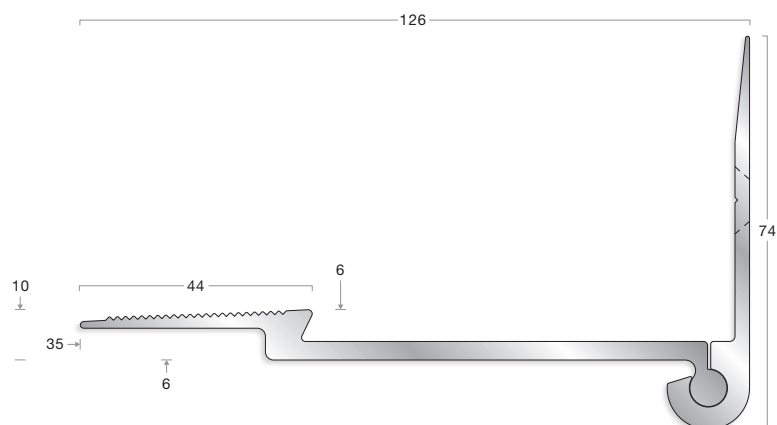
* If used with carpet, compressed thickness of carpet should always be a tight fit to the internal gauge of the profile.

** Achieved using a 25mm diameter surface. *** Figure calculated for maximum nominal width only.

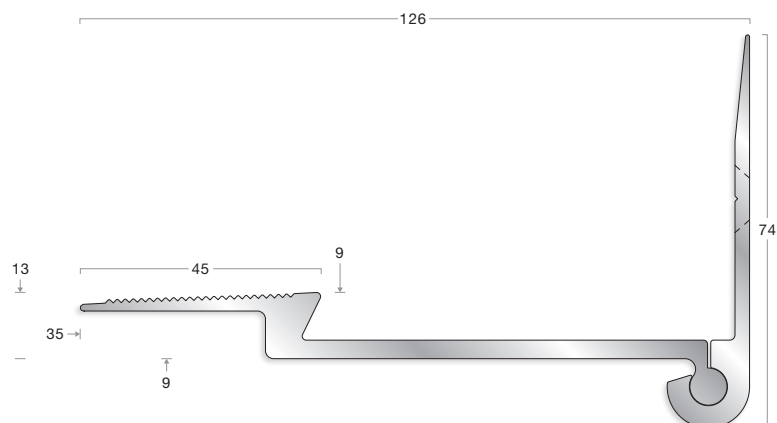
JM887-A02-050 / 2.5



JM887-A02-050 / 6



JM887-A02-050 / 9



Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



Section 4

Skirtings, Capping Strips & Accessories

Information to ensure the correct selection of skirtings, capping strips and other accessories along with details of colour availability. Details of Gradus pvc skirtings, metal skirtings, cove formers and capping strips can be found in this section.

Choosing the right skirting

Area of Application

Skirtings, cove formers and capping strips are used to provide clean, neat solutions for junctions where the floor meets the wall.

Gradus offers solutions to suit most contract applications, from 'critical' clean areas where a homogeneous finish is essential such as hospital wards, treatment rooms, and food & pharmaceutical environments, through to commercial office, education or retail environments where functionality needs to be combined with aesthetics.

Healthcare, food & pharmaceutical and education environments in particular benefit from the use of pvc skirtings that can be welded to resilient floorcoverings in order to create completely impervious seals to meet cleaning and hygiene requirements.

For further guidance on the use of pvc skirtings in healthcare environments refer to: Health Technical Memorandum (HTM): Flooring 61 – 3 Design Guidance, Skirtings 3.13 - 3.19.

Materials & Profiles

Options

Selecting the correct type of skirting profile will ensure that product performance matches the environment requirements and will result in a functional, low maintenance alternative to traditional skirtings.

Pvc Skirtings

Set-in – typically used with resilient floorcoverings, this type of skirting is welded to the floorcovering in order to create an impervious seal. Ideal for critical clean areas (e.g. treatment rooms, pharmaceutical production) or areas subject to wet cleaning (e.g. school and hospital corridors). Selected set-in skirtings are available in 15m coils in order to reduce the number of vertical joints required.

Sit-on – typically used with hard floorcoverings. Ideal for use in areas where a neat, clean finish is required but an impervious seal is not required e.g. general circulation areas in schools and hospitals.

Flat – used primarily with textile floorcoverings to form a neat, low-maintenance alternative to timber skirting.

Capping Strips & Cove Formers – used when floorcoverings are continued up the wall. Cove former ensures a consistent cove is achieved and supports the floorcovering at a weak point. Capping strips provide a neat finish where the floorcovering stops.

Stratum Pvc Skirting

An alternative to traditional timber skirting, this 10mm thick skirting provides the look of painted wood whilst offering a low maintenance solution. Ideal for creating a neat finish in non-critical clean areas, and in all contract environments where ongoing maintenance and aesthetics are important factors.

Metal Skirtings

Modern alternative to pvc or timber skirtings. Creates a modern, hi-tech finish for environments such as commercial office, retail and leisure. Low voltage cable management system also incorporated in selected profiles.

Aesthetics

Gradus skirtings & cappings are available in a range of colours and finishes to complement most interior environments.

In addition, the use of a skirting that contrasts in colour and luminance with the floorcovering can assist visually impaired people to determine the borders of the room. As a guide, skirtings should either match the wall colour, or provide a complete contrast with both the wall and floor.

For further details on visual contrast see pages 149-151.

Colour Availability

Standard

Black LRV: 4.62 NCS: 7502-B	Evergreen LRV: 6.53 NCS: 7020-B70G	Brown LRV: 7.04 NCS: 6010-Y70R
Granite LRV: 10.44 NCS: 6502-R	Bluebell LRV: 11.28 NCS: 5030-R90B	Hickory LRV: 16.10 NCS: 4040-Y80R
Stone LRV: 19.73 NCS: 5005-Y20R	Azure LRV: 9.99 NCS: 4050-R80B	Blueberry LRV: 22.97 NCS: 4020-R90B
Dove LRV: 26.50 NCS: 5000-N	Leaf LRV: 31.58 NCS: 4010-B90G	Dune LRV: 49.67 NCS: 2020-Y30R
Almond LRV: 38.00 NCS: 3010-Y40R	Glacier LRV: 40.09 NCS: 2502-B	Mist LRV: 58.74 NCS: 2500-N
Salmon LRV: 50.61 NCS: 2010-Y70R	Snowdrift LRV: 80.86 NCS: 0500-N	

Metallics

Burnt Almond NCS: 7010-Y50R
Zinc NCS: 600-R80B
Doublon NCS: 4020-Y
Platinum NCS: 2005-Y40R
Silver NCS: 2005-R80B

Metals

Aluminium
Silver Anodised Aluminium
Satin Silver Anodised Aluminium
Satin Titanium Anodised Aluminium
Polished Titanium Anodised Aluminium
Satin Stainless Steel

Please note: Due to the limitations of the printing process, colours within this catalogue should not be relied upon for colour matching. An accurate colour match can only be achieved by requesting the relevant product sample(s) from Gradus Technical Support on 01625 428922.

- Available from stock
- ▲ Available subject to minimum quantities & lead times

	Stratum STM7510, STM10010	SI100, SI10055, SI10032, SI100502.5, SI100503.2, SI150, SO25, FS150B	SI100502, SO100, FS303, FS100B, PCS40	SO75, SO150	CS100502, HCS48	CS100502.25	DFS100	P Range Skirtings & PCS40P	CC40, CC75	CCF1001	TC47	TC48	MCS48	MCC40, MCC75	MAS90 Range	MAS95 Range, MAS97 Range	MSS790 Range	ACC40
Standard																		
Black	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Evergreen		▲	•	•	•	▲	▲	▲	•			•						
Brown		•	•	•	•	•	•	•	•	•								
Granite	•	•	•	•	•	•	•	•	•	•								
Bluebell		▲	•	•	•	▲	•	▲	•									
Hickory		▲	•	▲				▲										
Stone		▲	•	•	•	▲	▲	▲										
Azure		▲	•	•	•			▲										
Blueberry		▲	•	▲				▲										
Dove	•	•	•	•	•	•	•	▲	•	•								
Leaf		▲	•	•				▲										
Dune		▲	•	▲				▲										
Almond		▲	•	•	•	▲	•	▲		•								
Glacier		▲	•	•	•	▲	▲	▲		•								
Mist		▲	•	▲				▲										
Salmon		▲	•	▲				▲										
Snowdrift	•	▲	•	•	•	▲	•	▲	•	•	•	•						
Metallics																		
Burnt Almond												•						
Zinc												•	•	•				
Doublon												•	•	•				
Platinum												•	•	•				
Silver												•	•	•				
Metals																		
Aluminium																		•
Silver Anodised Aluminium															•	•		
Satin Silver Anodised Aluminium															•			
Satin Titanium Anodised Aluminium															•			
Polished Titanium Anodised Aluminium															•			
Satin Stainless Steel																	•	

Stratum™ Skirtings - Pvc



Description

The Gradus Stratum range comprises heavy-duty pvc skirting profiles suitable for a wide range of contract applications including education, healthcare and commercial office.

Life cycle analysis shows Stratum is a cost effective alternative to wood skirtings. The smooth matt finish is resistant to stains, dents and scratches, and will not splinter, chip and crack like traditional wood skirtings, offering a low maintenance hygienic solution to wall base finishing.

Stratum can be installed around gentle curves and can also accommodate and disguise minor irregularities in wall surfaces.

Profile Information

- Suitable for interior use in most areas
- Stratum is a cost effective alternative to finished timber skirting it utilises up to 80% recycled pvc in its construction and is suitable for all areas that require a high quality finish to be maintained through the life of the building
- Eliminates the need for processes normally associated with wood skirting such as sanding, priming, filling and painting

Installation Advice

- Stratum skirtings are installed to the wall using a proprietary cartridge adhesive
- Internal/external corners can be mitred on site

Colour

- For larger colour swatches see page 123



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



For guidance on the correct selection of skirtings see page 122.

Description	Semi-flexible pvc skirting
Application	Ideal for use in most areas
Profiles	10mm thick, 2 heights - 75mm and 100mm Supplied in 2m lengths
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.	

Colour options:

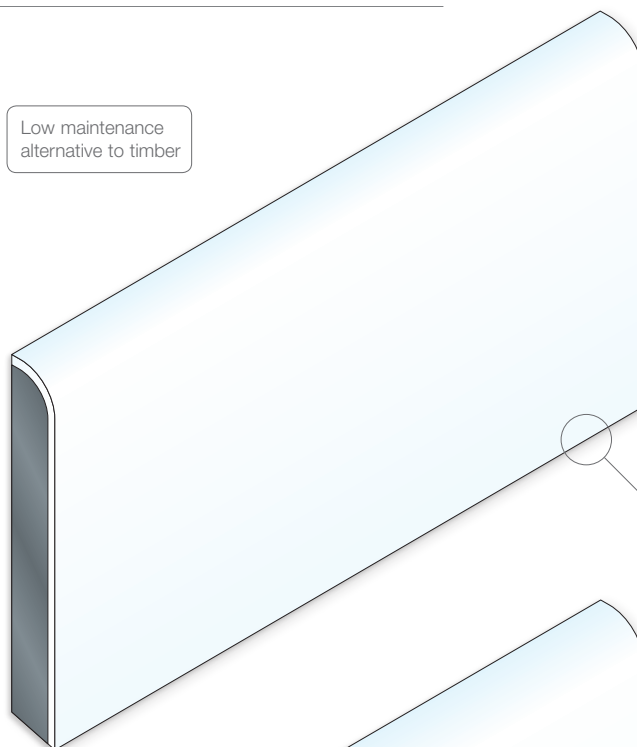
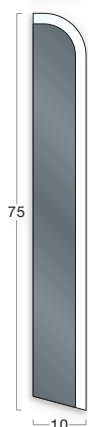
Granite	
Dove	
Snowdrift	



Stratum contains up to 80% recycled content

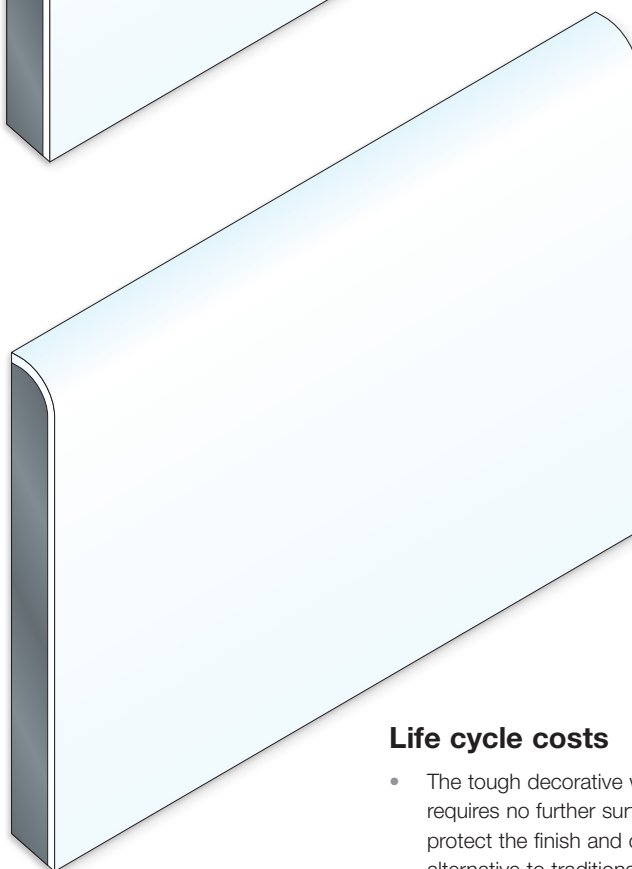
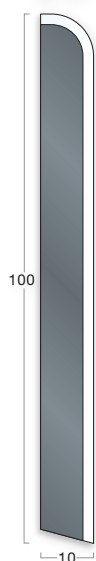
Low maintenance alternative to timber

STM 75 10
Sit-On



Chamfered base to allow tight fit to floorcovering

STM 100 10
Sit-On



Life cycle costs

- The tough decorative wear layer on Stratum requires no further surface treatments to protect the finish and offers a low maintenance alternative to traditional timber skirting where the life cycle costs of redecoration can be expensive.
- Typical example: timber skirting is typically redecorated once in a 10 year period – total expenditure is approximately 50% more than material and labour costs spent on installing Stratum. The saving will be greater if redecoration is required more often.

Pvc Skirtings



Description

An extensive range of pvc skirtings, through-coloured for maximum performance and maintenance. Profile designs are available for use in conjunction with floorcoverings from all major manufacturers. Suitable for a wide range of commercial applications.

Installation Advice

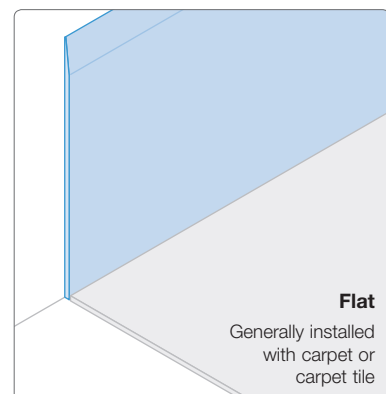
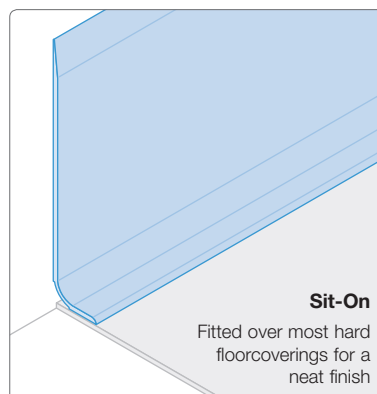
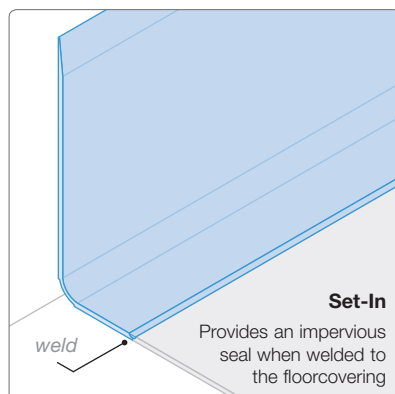
- Pvc skirtings are secured to all wall surfaces using contact adhesive

Profile Information

- Suitable for interior use
- Set-in skirtings are ideal for use in areas subject to regular wet cleaning e.g. hospital treatment areas as they can be welded to the floorcovering to provide an impervious seal.
- Coillable set-in skirtings minimise vertical joints. Ideal in areas where both the horizontal and vertical joints require welding e.g. food preparation areas & clinical treatment areas.

Colour





- For larger colour swatches see page 123





Skirtings - Set-In

Colour options:














All profiles:

- Black 
- Brown 
- Granite 
- Dove 














CSI 100 50 2 also available in:

- Evergreen 
- Stone 
- Bluebell 
- Almond 
- Glacier 
- Snowdrift 

SI 100 50 2 also available in:

- Evergreen 
- Stone 
- Bluebell 
- Hickory 
- Azure 
- Blueberry 
- Leaf 
- Almond 
- Dune 
- Salmon 
- Glacier 
- Mist 
- Snowdrift 

**All other skirtings
are available in**
(subject to minimum
quantities and lead times):

- Evergreen 
- Stone 
- Bluebell 
- Hickory * 
- Azure * 
- Blueberry * 
- Leaf * 
- Almond 
- Dune * 
- Salmon * 
- Glacier 
- Mist * 
- Snowdrift 

* Excluding
CSI 100 50 2 and
CSI 100 50 2.25



Set-In

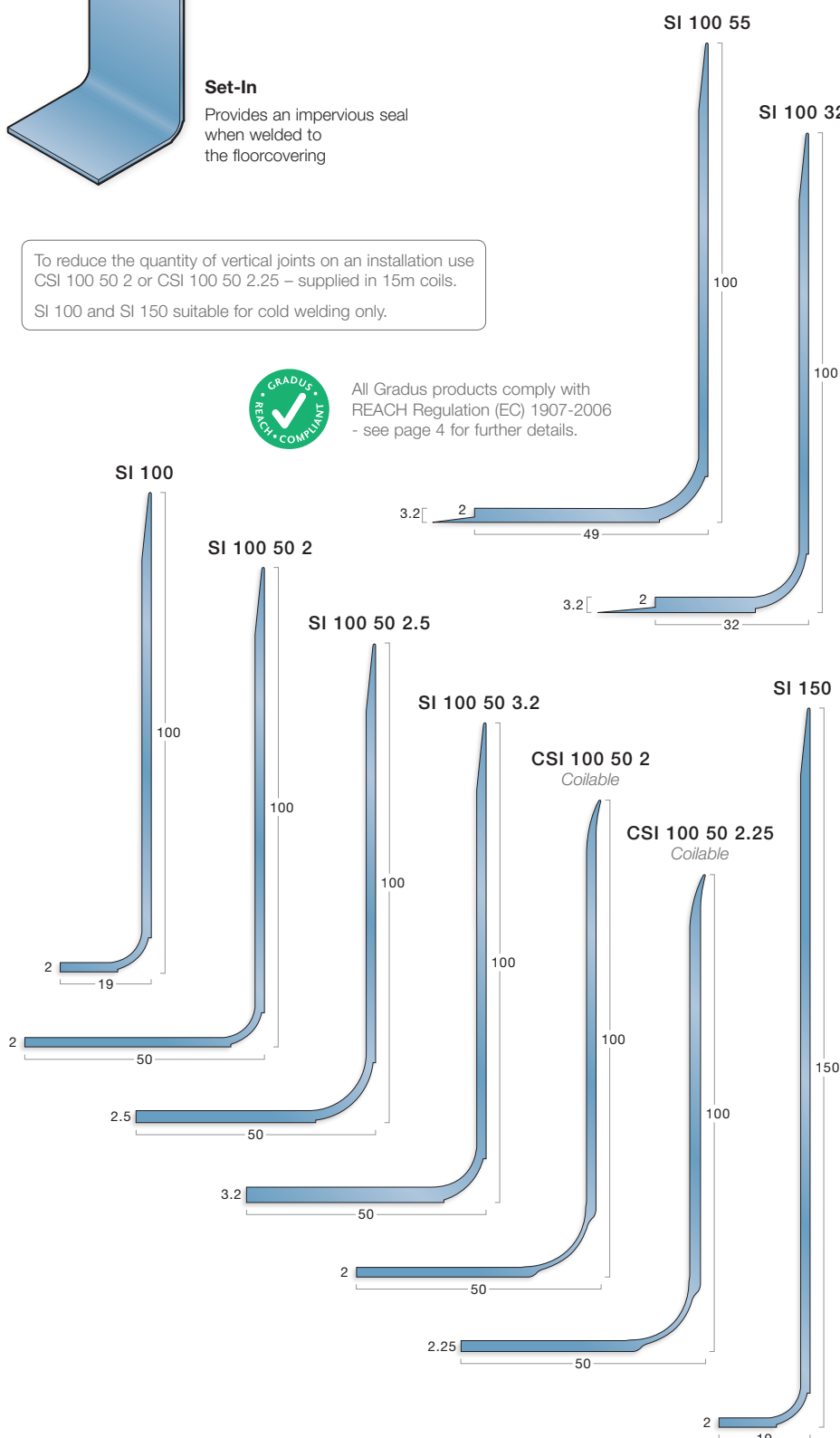
Provides an impervious seal
when welded to
the floorcovering

To reduce the quantity of vertical joints on an installation use
CSI 100 50 2 or CSI 100 50 2.25 – supplied in 15m coils.

SI 100 and SI 150 suitable for cold welding only.



All Gradus products comply with
REACH Regulation (EC) 1907-2006
- see page 4 for further details.



For guidance on the correct selection of skirtings see page 122.

Description	Flexible pvc set-in and coilable set-in skirting.
Application	Ideal for critical clean areas where a homogeneous finish is required e.g. hospital treatment areas.
Profiles	Various gauges to suit different thicknesses of resilient floorcovering. All supplied in 2m lengths. Coilable skirtings are supplied in 15m coils to minimise vertical joints.

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Skirtings - Sit-On & Flat

FS 303

Colour options:

All profiles:

- Black
- Brown
- Granite
- Dove

SO 75, SO 100, SO 150, FS 303 and FS 100 B also available in:

- Evergreen
- Stone
- Bluebell
- Hickory*
- Azure*
- Blueberry*
- Leaf*
- Almond
- Dune*
- Salmon*
- Glacier
- Mist*
- Snowdrift

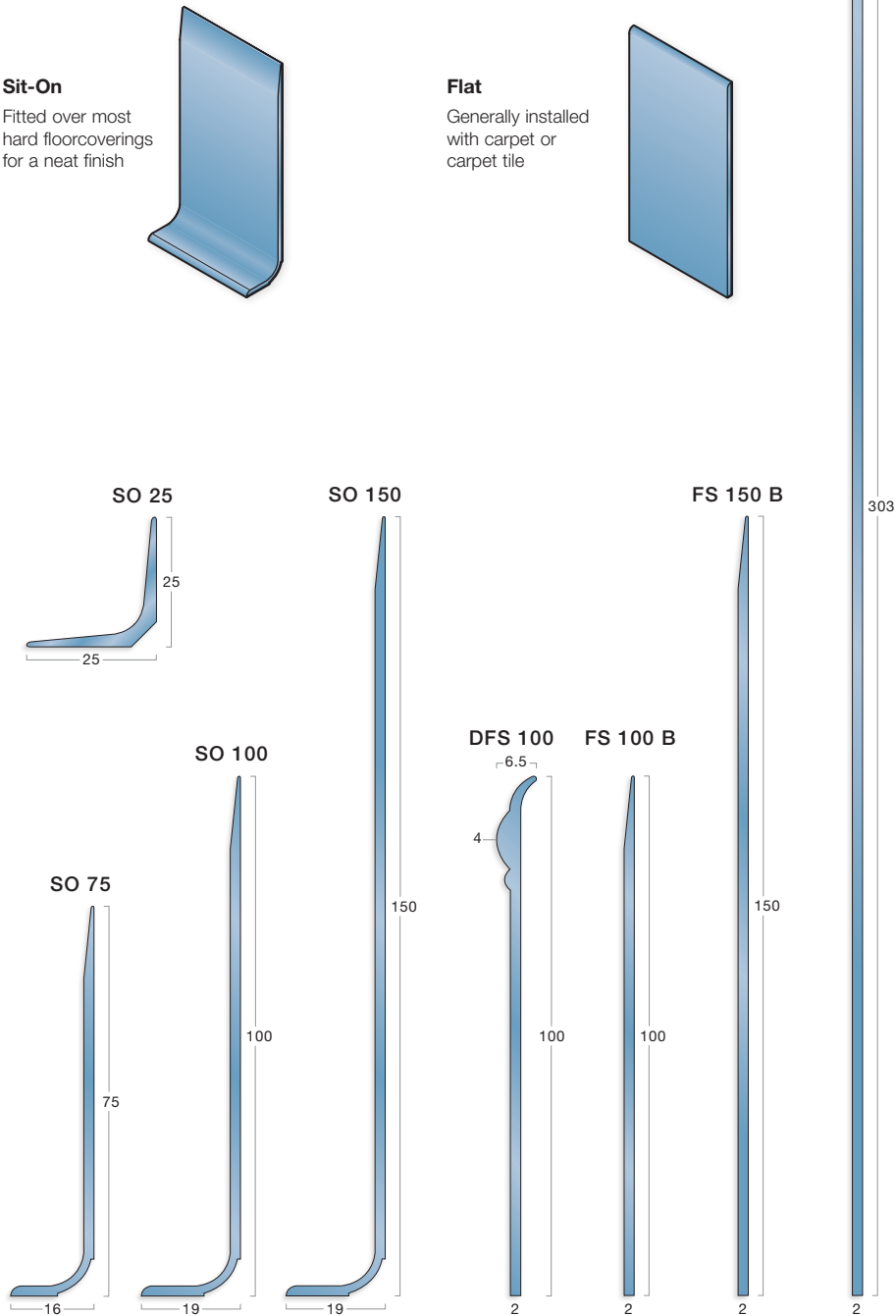
* SO 75 and SO 150 are available subject to minimum quantities and lead times.

DFS 100 also available in:

- Bluebell
- Almond
- Snowdrift

SO 25 and FS 150 B are available in all other colours subject to minimum quantities and lead times.

DFS 100 also available in Evergreen, Stone and Glacier subject to minimum quantities and lead times.



For guidance on the correct selection of skirtings see page 122.

Description	Flexible pvc flat or sit-on skirting.
Application	Sit-on - ideal for use in areas such as hospital corridors, schools etc. Flat - ideal for use with textile floorcoverings - provides a low maintenance alternative to timber skirting.
Profiles	Various heights to suit different applications. FS303 is used to form an internal stringer to stairs. Sit-on skirtings supplied in 2m lengths. Flat skirtings are supplied in 15m coils to minimise vertical joints. Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

'P' Range Skirtings - Set-In, Sit-On & Flat

Colour options:

■ Black

All profiles are available in all other standard pvc skirting colours subject to minimum quantities and lead times.

Coilable skirtings are only available in selected colours.

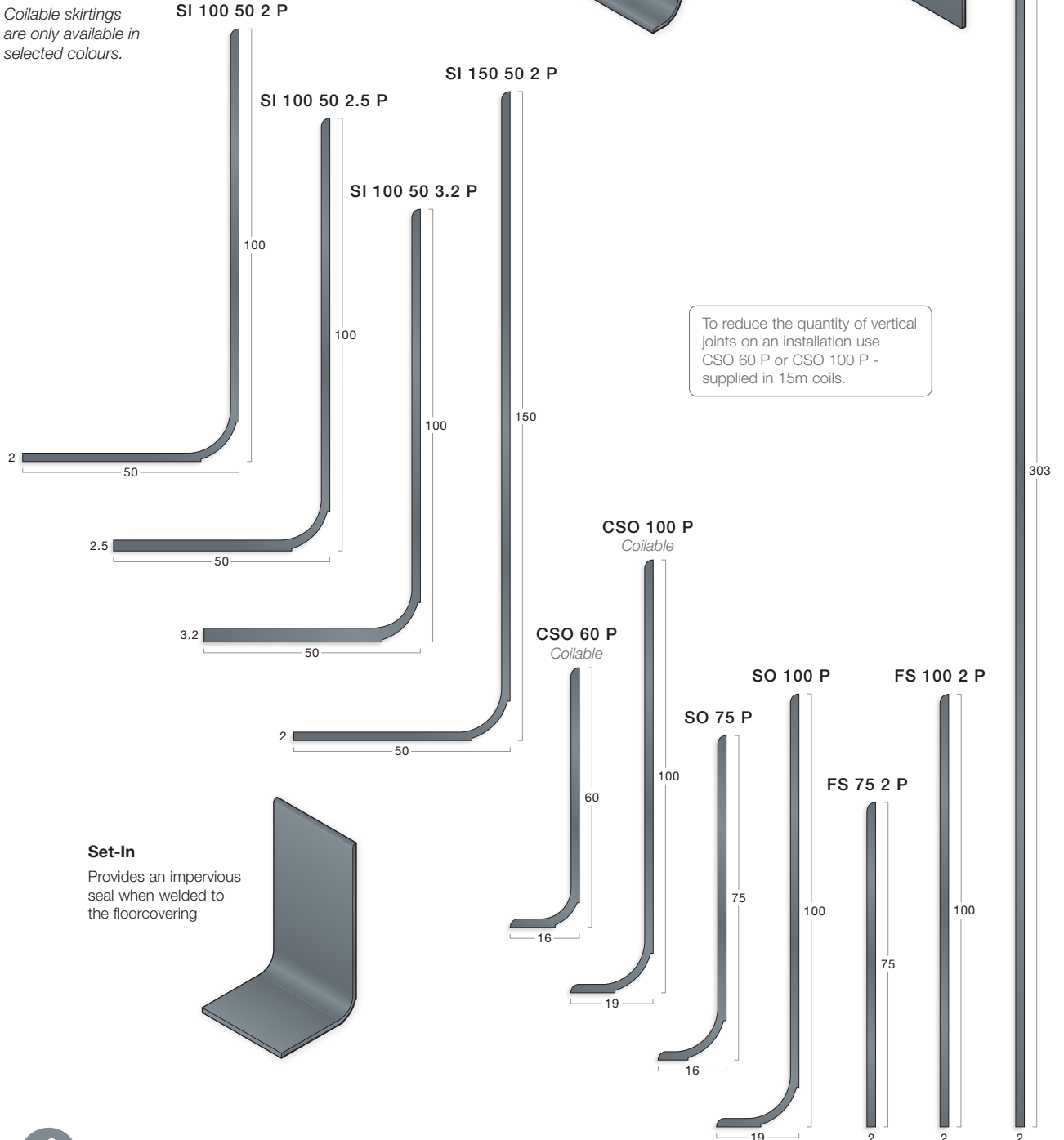
Sit-On

Fitted over most hard floorcoverings for a neat finish

Flat

Generally installed with carpet or carpet tile

FS 303 P



Set-In

Provides an impervious seal when welded to the floorcovering



For guidance on the correct selection of skirtings see page 122.

Description	Flexible pvc sit-on, sit-on coilable, set-in and flat skirting.
Application	Ideal for use in areas where functionality is a priority.
Profiles	Available in Black only. Set-in and sit-on skirtings supplied in 2m lengths. Flat and coilable skirtings are supplied in 15m coils to minimise vertical joints.
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.	

Capping Strips & Cove Formers



Description

An extensive range of pvc, PVC-u and aluminium capping strips, cove formers and accessories used where floorcoverings are dressed up the wall to form a skirting with a neat finish, and to join floorcoverings to wall finishes. Suitable for use with carpet, resilient floorcoverings and ceramic tiles. Available in choice of colours that can be used in conjunction with floorcoverings from all major manufacturers. Suitable for a wide range of commercial applications.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

Profile

- Suitable for interior use
- Capping seals provide a decorative, neat edge where resilient floorcoverings are dressed up the wall to form a skirting. Available to suit resilient floorcoverings up to 5mm thick
- Carpet caps provide a decorative, neat edge where carpets are dressed up the wall to form a skirting. Available to suit carpets up to 7mm thick (compressed thickness)
- Cove formers provide a neat cove allowing floorcoverings to be dressed up the wall to form a skirting and supports the floorcovering at a weak point
- Tile caps are for use where ceramic wall tiles are finished against a resilient floor finish that has been dressed up the wall to form a skirting. Available to suit resilient flooring up to 6mm thick

Installation Advice

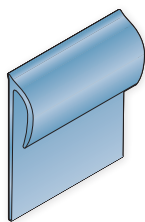
- Capping seals and tile caps are secured to wall surfaces using contact adhesive
- Carpet caps are secured with screws and adhesives to wall surfaces

Colour

- For larger colour swatches see page 123

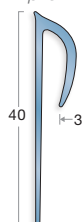
Capping Strips & Cove Formers

Capping Seals

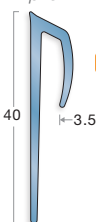


Flexible pvc capping seals are used to finish the top of a resilient floorcovering where it has been covered up the wall. Capping seals are usually used in conjunction with a cove former (see page 132).

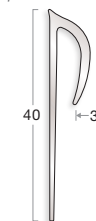
HCS48
pvc



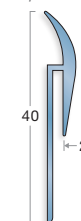
HCS50
pvc



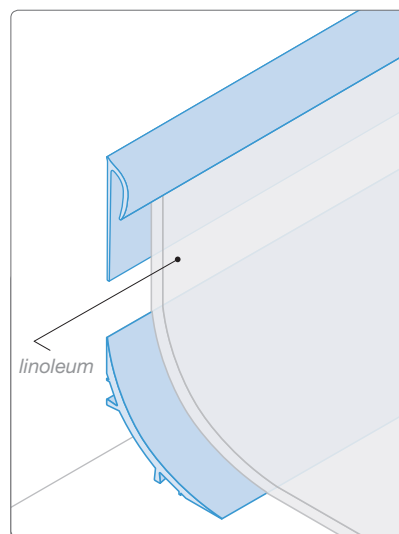
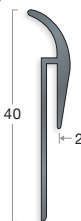
MCS48
pvc Metallic



PCS40
pvc



PCS40P
pvc 'P' Range



HCS48 capping seal with CF38 cove former and a 3mm linoleum.



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.

Colour options:

HCS48 and HCS50:

Black	■
Evergreen	■
Brown	■
Granite	■
Bluebell	■
Stone	■
Dove	■
Almond	■
Glacier	■
Snowdrift	■

MCS48:

Zinc	■
Doubloun	■
Platinum	■
Silver	■

PCS40:

Black	■
Evergreen	■
Brown	■
Azure	■
Granite	■
Bluebell	■
Stone	■
Hickory	■
Blueberry	■
Dove	■
Leaf	■
Almond	■
Dune	■
Salmon	■
Glacier	■
Mist	■
Snowdrift	■

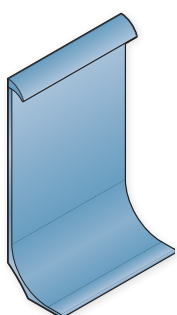
PCS40P:

Black	■
-------	---

CCF 100 1:

Dove	■
Almond	■
Glacier	■
Snowdrift	■

Cove Formers

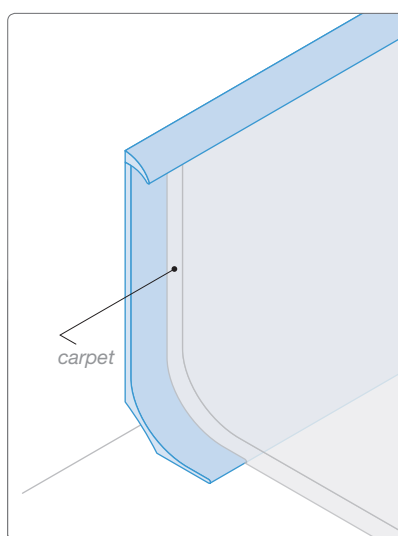
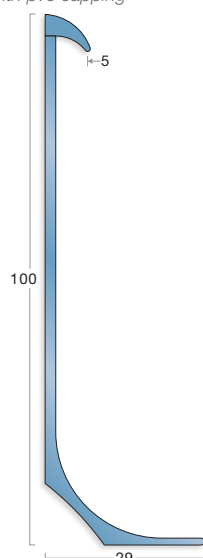


CCF 100 1 is a one piece pvc cove former combining a pvc capping seal.



CCF 100 1 contains up to 50% recycled content

CCF 100 1
Co-extruded pvc
with pvc capping

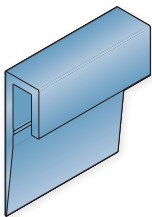


CCF 100 1 fitted with a broadloom carpet to allow the carpet to continue up the wall with a capping seal to protect the exposed edge.

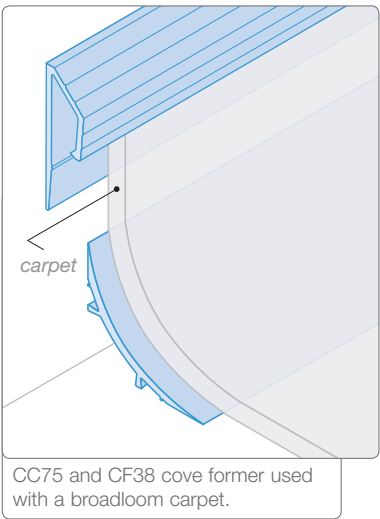
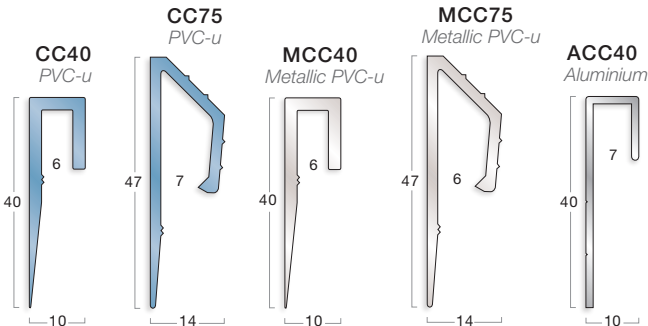
Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Capping Strips & Cove Formers

Carpet Caps



Carpet caps are used to provide a neat finish where carpet or carpet tile is continued up the wall. Available in choice of PVC-u, Metallic PVC-u and Aluminium. Carpet caps can be combined with a cove former where required to help form a cove.



Colour options:

CC40 and CC75:

- Black
- Brown
- Granite
- Bluebell
- Dove
- Snowdrift

MCC40 and MCC75:

- Zinc
- Doubloon
- Silver

ACC40:

- Aluminium

TC47:

- Snowdrift

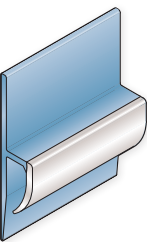
TC48:

- Black
- Burnt Almond
- Zinc
- Doubloon
- Platinum
- Silver
- Snowdrift

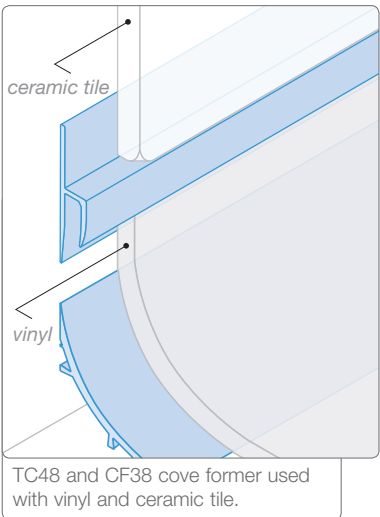
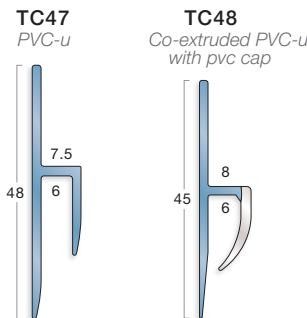
CF:

- Black

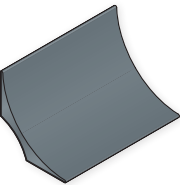
Tile Caps



Tile caps are used where ceramic wall tiles are finished against a resilient floor finish that has been dressed up the wall to form a skirting.



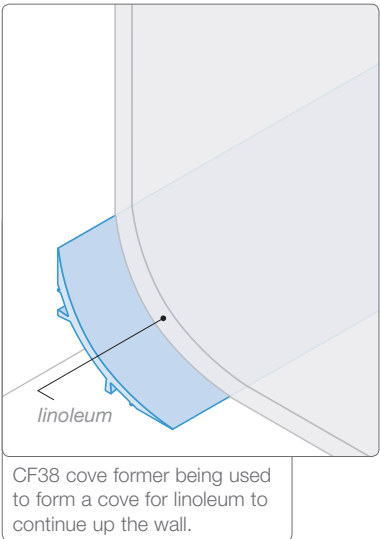
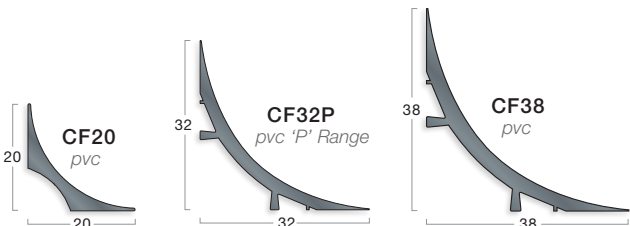
Cove Formers



Cove formers are used to form a cove where floorcoverings are continued up the wall. Cove formers are usually used in conjunction with a capping seal or carpet cap to finish the raw edge of the floorcovering (see page 131).

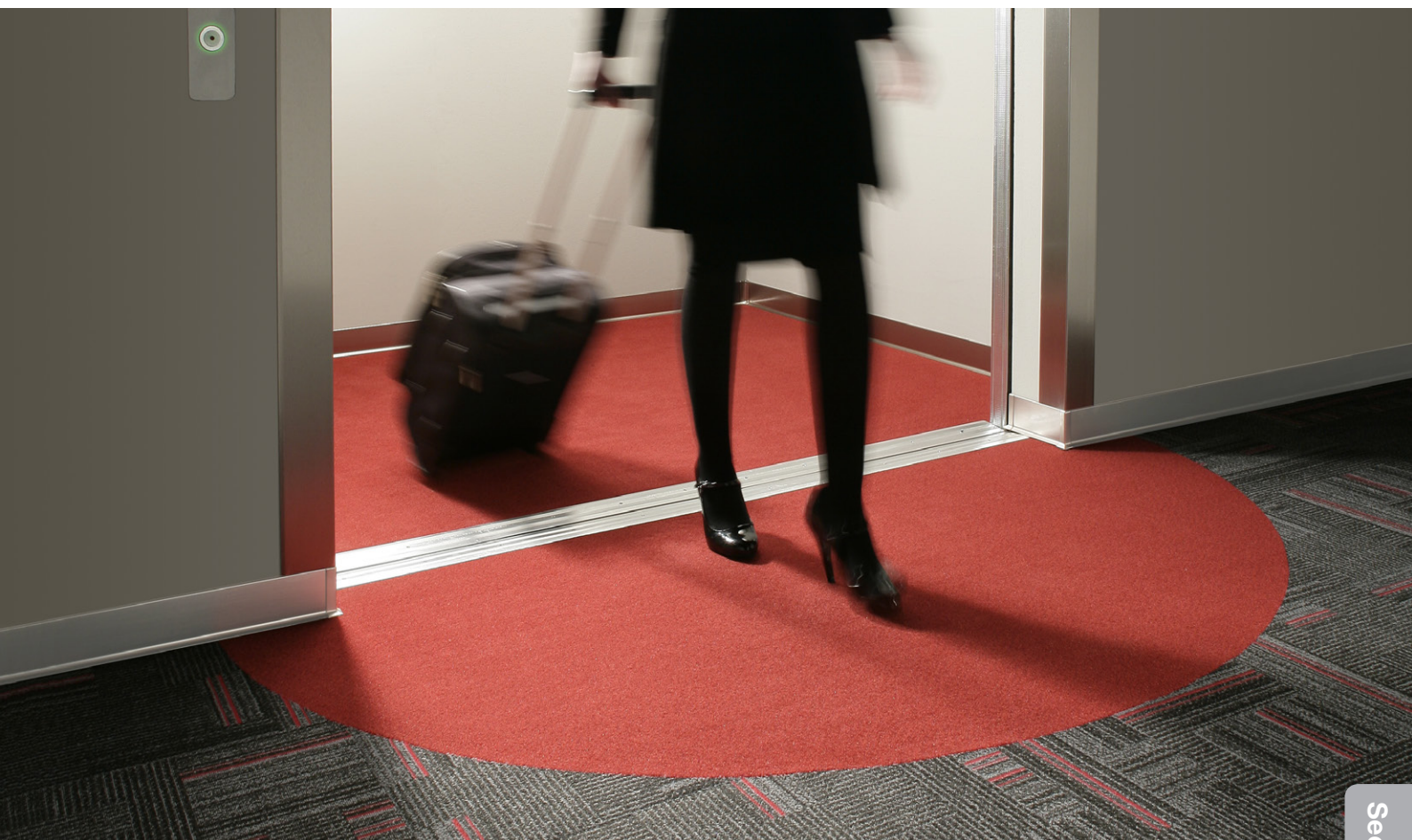


CF32P and CF38 contain up to 100% recycled content



Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Metal Skirtings



Description

Gradus metal skirtings are available in a variety of designs and heights to suit the requirements of modern commercial environments.

Profiles are available in a variety of finishes including stainless steel and aluminium.

MAS95 and MAS97 profiles have also been designed with a cable tidy feature where low voltage cables e.g. computer and telephone cables, can be hidden from view.

Which Skirting?



slimline skirting profile in either silver anodised aluminium or stainless steel.



anodised aluminium skirting profile fixed to the wall using interlocking fixing brackets.

Profile Availability

Profile designs to accommodate most floorcoverings

- Sit-on skirtings in a variety of heights – 60mm, 70mm, 80mm and 100mm
- MAS90, MAS95 & MAS97 supplied in 2m lengths (anodised aluminium)
- MSS790 supplied in 2.7m lengths (stainless steel)
- Internal corners, external corners and end caps in metal finish PVC-u are available for neat finishing on site
- Subject to lead times

Installation Advice

Visit www.gradus.com for full installation instructions

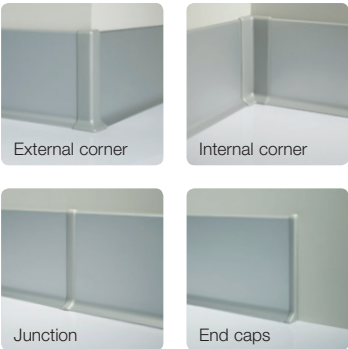
- MAS95 and MAS97 profiles are fixed to the wall using screw fixings
- MAS90 and MSS790 profiles are fixed to the wall using appropriate adhesive
- Coordinating PVC-u accessories available for neat finishing on-site.

Colour

- For larger colour swatches see page 123

Metal Skirtings - Modern Hi-Tech Finishing

MAS90 Aluminium Skirtings



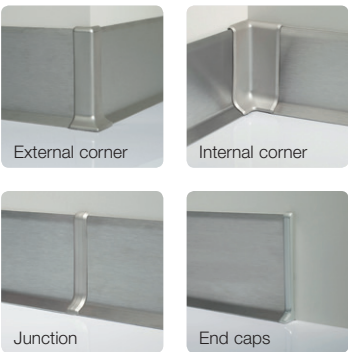
Description	Anodised aluminium
Application	Ideal for use in areas where a modern hi-tech finish is required. Designed to be installed on top of the floorcovering. The capped toe design of the profile allows wall-to-floor expansion gaps to be hidden when installed with tiled floorcoverings.
Profiles	Supplied in 2m lengths.

PVC-u accessories are available for the MAS90 profiles for neat finishing on site. These are supplied in a choice of metal finishes to co-ordinate with the skirting profiles.

Skirting Profile	Height	Finish	End Caps	Junction	External Corner	Internal Corner
MAS90/10SF	100mm	Silver	MAS90/10P	MAS90/10G	MAS90/10E	MAS90/10I
MAS90/8SF	80mm	Silver	MAS90/8P	MAS90/8G	MAS90/8E	MAS90/8I
MAS90/8SSF	80mm	Satin Silver	MAS90/8SP	MAS90/8SG	MAS90/8SE	MAS90/8SI
MAS90/8TSF	80mm	Polished Titanium	MAS90/8TP	MAS90/8TG	MAS90/8TE	MAS90/8TI
MAS90/8TMSF	80mm	Satin Titanium	MAS90/8TMP	MAS90/8TMG	MAS90/8TME	MAS90/8TMI
MAS90/6SF	60mm	Silver	MAS90/6P	MAS90/6G	MAS90/6E	MAS90/6I
MAS90/6SSF	60mm	Satin Silver	MAS90/6SP	MAS90/6SG	MAS90/6SE	MAS90/6SI
MAS90/6TSF	60mm	Polished Titanium	MAS90/6TP	MAS90/6TG	MAS90/6TE	MAS90/6TI
MAS90/6TMSF	60mm	Satin Titanium	MAS90/6TMP	MAS90/6TMG	MAS90/6TME	MAS90/6TMI

Note: All accessories are supplied in packs of 4 except for End Caps which are supplied as 4 sets of 2 (one left hand and one right hand)

MSS790 Stainless Steel Skirtings



Description	Stainless steel satin finish
Application	Ideal for use in areas where a modern hi-tech finish is required. Designed to be installed on top of the floorcoverings. The capped toe design of the profile allows wall-to-floor expansion gaps to be hidden when installed with tiled floorcoverings.
Profiles	Supplied in 2.7m lengths.

Accessories are available for the MSS790 profiles for neat finishing on site. These are supplied in satin finish PVC-u to co-ordinate with the skirting profiles.

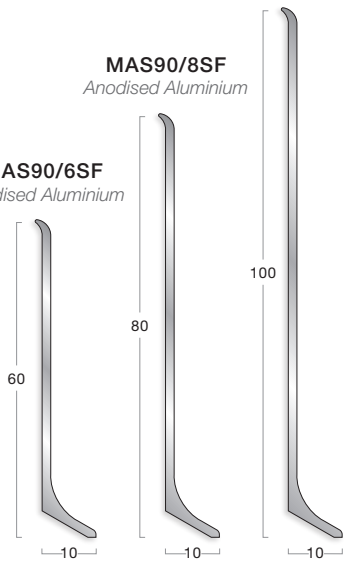
Skirting Profile	Height	Finish	End Caps	Junction	External Corner	Internal Corner
MSS790/8SF	80mm	Satin	MSS790/8PS	MSS790/8GS	MSS790/8ES	MSS790/8IS
MSS790/6SF	60mm	Satin	MSS790/6PS	MSS790/6GS	MSS790/6ES	MSS790/6IS

Note: All accessories are supplied in packs of 4 except for End Caps which are supplied as 4 sets of 2 (one left hand and one right hand)

MAS90/10SF
Anodised Aluminium

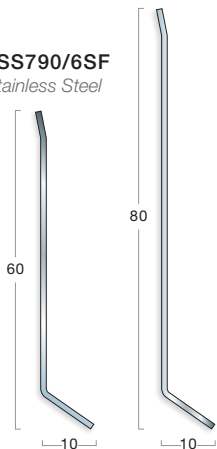
MAS90/8SF
Anodised Aluminium

MAS90/6SF
Anodised Aluminium



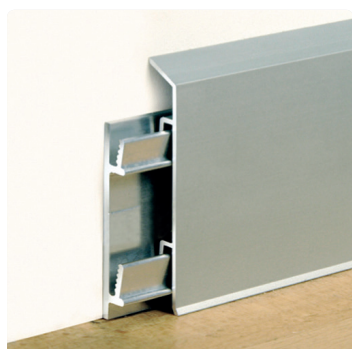
MSS790/8SF
Stainless Steel

MSS790/6SF
Stainless Steel



Metal Skirtings - Modern Hi-Tech Finishing

MAS95 Interlocking Aluminium Skirtings

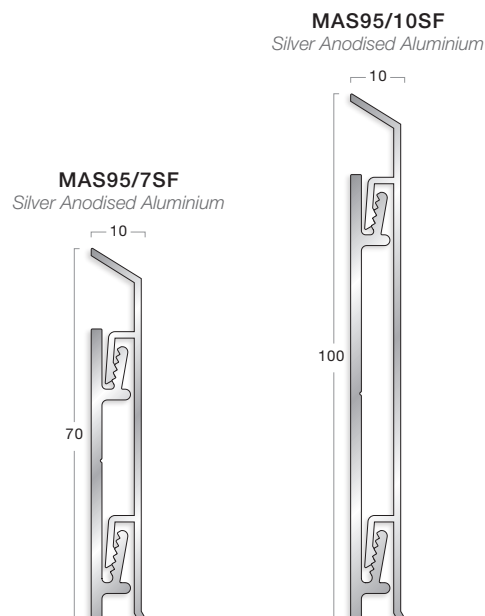


Description	Silver anodised aluminium with interlocking aluminium fixing brackets.
Application	Ideal for use in areas where a modern finish is required. Design allows low voltage (computer & telephone) cables to be hidden behind the skirting profile.
Profiles	Supplied in 2m lengths. 3 fixing brackets supplied per length.

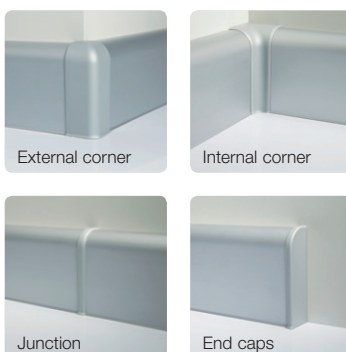
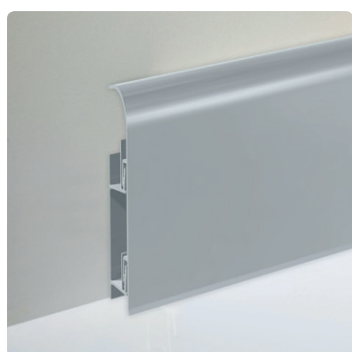
Accessories are available for the MAS95 profiles for neat finishing on site. These are supplied in silver finish PVC-u to co-ordinate with the aluminium skirting profiles.

Skirting Profile	Height	Finish	End Caps	Junction	External Corner	Internal Corner
MAS95/10SF	100mm	Silver	MAS95/10P	MAS95/10G	MAS95/10E	MAS95/10I
MAS95/7SF	70mm	Silver	MAS95/7P	MAS95/7G	MAS95/7E	MAS95/7I

Note: All accessories are supplied in packs of 4 except for End Caps which are supplied as 4 sets of 2 (one left hand and one right hand)



MAS97 Interlocking Aluminium Skirting

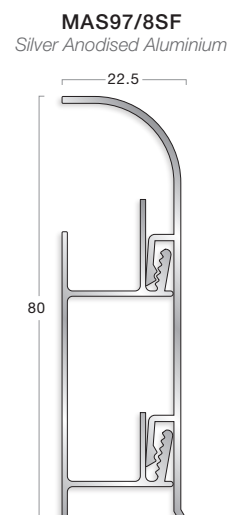


Description	Silver anodised aluminium with interlocking aluminium fixing brackets.
Application	Ideal for use in areas where a modern finish is required. Design allows low voltage (computer & telephone) cables to be hidden behind the skirting profile.
Profiles	Supplied in 2m lengths. 3 fixing brackets supplied per length.

Accessories are available for the MAS97 profiles for neat finishing on site. These are supplied in silver finish PVC-u to co-ordinate with the aluminium skirting profiles.

Skirting Profile	Height	Finish	End Caps	Junction	External Corner	Internal Corner
MAS97/8SF	80mm	Silver	MAS97/8P	MAS97/8G	MAS97/8E	MAS97/8I

Note: All accessories are supplied in packs of 4 except for End Caps which are supplied as 4 sets of 2 (one left hand and one right hand)



Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



RESSI

Section 5

Associated Products for Stairs & Floors

Information on Gradus products that are typically associated with stairs and surrounding areas: slip-resistant surface finishes, tactile surface and cable ducts.

Stairtile™ - Slip-Resistant Flooring



Description

Stairtile is a rubber composite material designed to provide a hard-wearing, slip-resistant finish for stairs and floors. It can be installed in a wide range of applications such as shopping centres, car parks and other high usage circulation areas. It can be used as a complete stair covering or as an insert set into terrazzo, wood and concrete. Stairtile is suitable for use in both internal and external applications and is available in a choice of 4 colours.

When using Stairtile strips on step edges, in order to ensure that the guidance in The Building Regulations 2010: Approved Document M is followed, Gradus recommends a minimum width (front to back) of 50mm to ensure a sufficient degree of colour contrast is achieved. Stairtile must be set as close to the leading edge of the step as possible. Discs not suitable for step edges.

Profile Information

Available in a choice of 2 gauges

- 6.5mm sanded finish - typically supplied to ready-prepared floor finishes
- 8.0mm sanded finish - typically supplied where further site finishing is required
- To ensure slip-resistant properties are maintained, any build up of contaminants such as grease must be managed using a thorough and regular cleaning regime
- Discs not suitable for step edges as they do not form a solid band as recommended.

Installation Advice

- Rebated product fitted with epoxy adhesive and screws
- Can be supplied pre-drilled (minimum profile width 20mm). Screw head cover plugs supplied
- Cast-in products require no mechanical fixing



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.



Material	Rubber composite
Application	Typically used with concrete, terrazzo, wood, stone and marble
	OT/F profiles are rebated into existing steps OT/D and OT/RDG profiles are pre-cast into new steps OT/R profiles can be rebated as a step edge Discs not suitable for step edges as they do not form a solid band as recommended.
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Potential for Slip

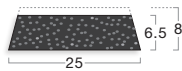
Dry Conditions Low (PTV Av. >70)

Wet Conditions Low (PTV Av. >55)

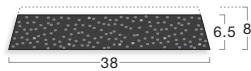
Independently tested by the Health & Safety Laboratory (see figure 2 on page 147 for further details).

Stairtile strips

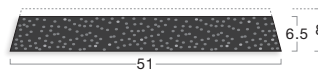
OT25D



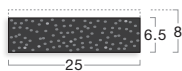
OT38D



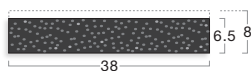
OT51D



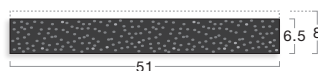
OT25F



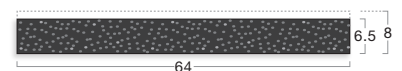
OT38F



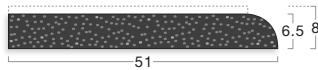
OT51F



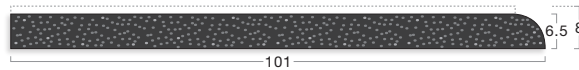
OT64F



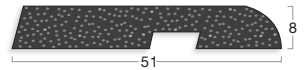
OT51R



OT101R



OT51RDG



(not available drilled or sanded)

OTD, OTF, OTR and OTRDG

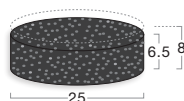
Available in any width from 12mm to 500mm

Note: minimum width for pre-drilled profiles is 20mm

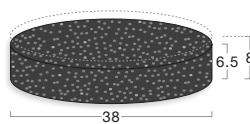


Stairtile discs

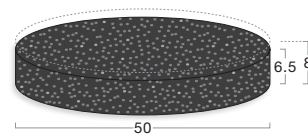
25mm Disc



38mm Disc



50mm Disc



Colour options

Black

LRV: 3.70



Brown

LRV: 8.99



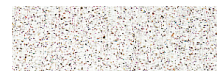
Yellow

LRV: 44.92



White

LRV: 58.38



For an accurate colour match a physical product sample should be requested.

Tread Alert® - Tactile Surface

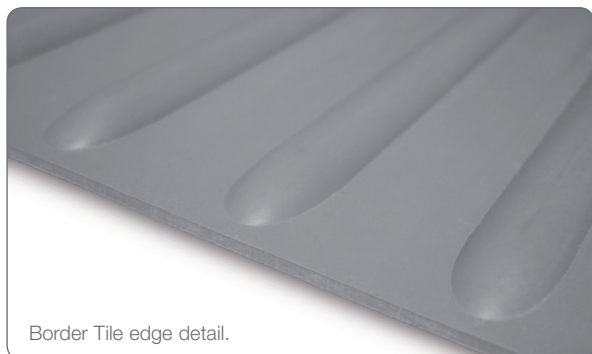


Dennis Gilbert/View.

Description

Tread Alert is a rubber tile with raised ribs that acts as a tactile warning surface for visually impaired people to recognise a change in level. Tread Alert has been designed to meet the criteria for tactile surfaces as stipulated in the DTLR publication 'Guidance on the use of tactile paving surfaces'.

When used correctly Tread Alert helps to ensure the provision of an inclusive environment as recommended in BS 8300:2009+A1:2010 (see page 151) and the Joint Committee on Mobility of Blind and Partially Sighted People.



Border Tile edge detail.

Tile Information

Tile size 400mm x 400mm. Gauge 8.5mm nominal.

- **Border Tile (TAFB)** - used to provide a finishing edge; 2.5mm thick with a 6mm raised rib at 50mm centres rounded towards one edge of the tile
- **Field Tile (TAFT)** - butt jointed to form a continuous run; 2.5mm thick with a 6mm raised rib at 50mm centres across the full width of the tile
- Suitable for interior dry conditions. Tread Alert should not be used in internal areas that may be subject to wetness
- Tread Alert tiles should visually contrast with the surrounding floorcovering to ensure clear visibility (see Diagrams 1 and 2 opposite).
- Consideration must be given to the frictional characteristics of Tread Alert and the surrounding floorcovering. Dramatic changes in frictional resistance, such as when used in conjunction with carpet, require special consideration (see Diagram 2 opposite). For further details contact Technical Support

Installation Advice

- Tread Alert should be used at the approach (top and bottom) to a flight of internal stairs and installed according to the 'Guidance on the use of tactile paving surfaces' (see Diagram 1 opposite).

Tread Alert® - Tactile Surface

Diagram 1

Tread Alert tactile surface incorporated into the landing at the top and bottom of the stairs to extend at least 400mm at each side of the stairs and set 400mm from the leading edge of the stair edging. Tread Alert tactile surface should be a depth of 800mm when the approach is straight on and 400mm when a conscious turn is needed to reach the step (A). Tread Alert should contrast in colour with the surrounding floor finish.

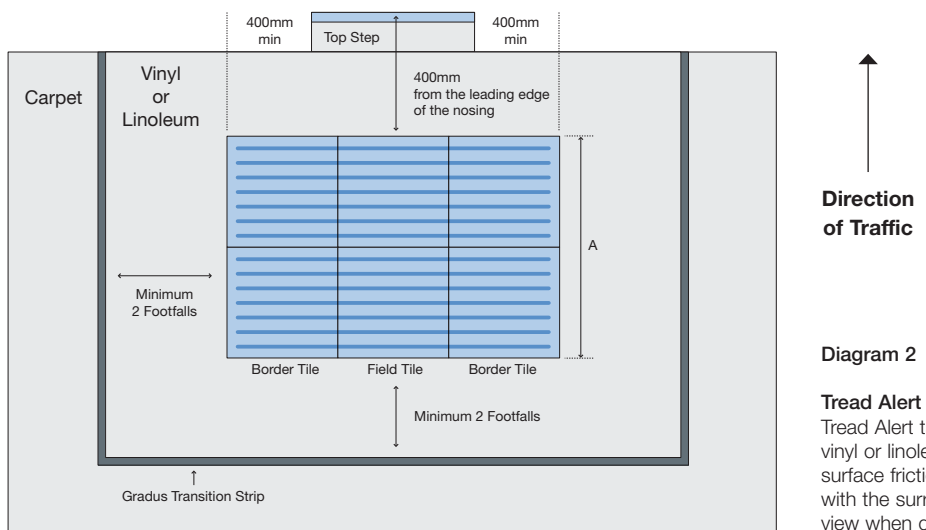
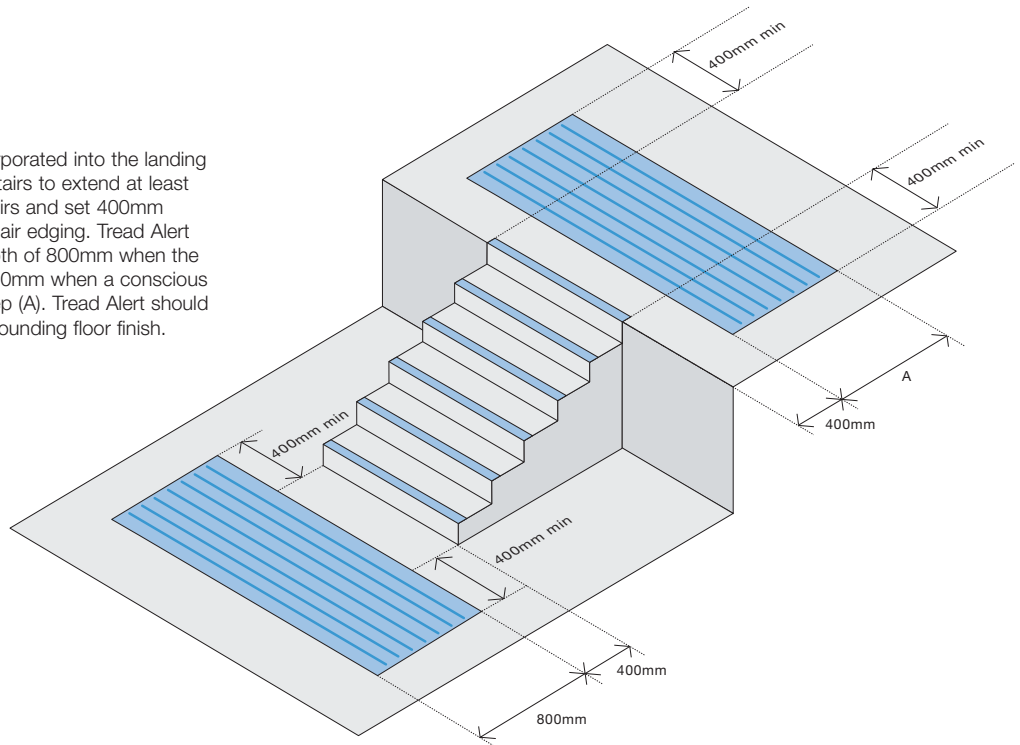
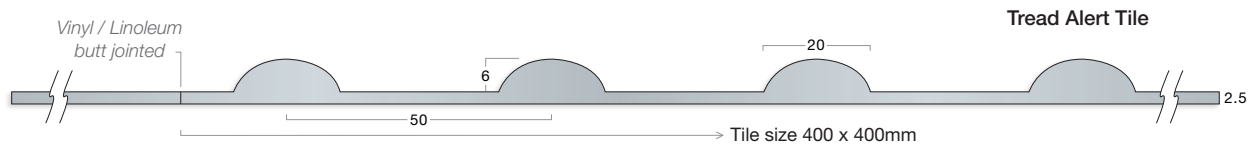






Diagram 2

Tread Alert used in conjunction with carpet.

Tread Alert tactile surface should be set-in to rubber, vinyl or linoleum to provide a graduated change in surface friction. Tread Alert should contrast in colour with the surrounding floor finish. Diagram shows plan view when descending stairs.



Colour options

Black	LRV: 5.39	Bluebell	LRV: 8.58	Granite	LRV: 12.60	Canvas	LRV: 58.08
							

For an accurate colour match a physical product sample should be requested.

Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.

Cable Ducts - Cable Management



Description

Cable Ducts combine the principle of Gradus Clip-Top functionality with the added benefit of securing loose or trailing light duty cables such as computer cables. The Workplace (Health, Safety and Welfare) Regulations 1992 recommends that “floors should be suitable, in good condition and free of obstructions. Traffic routes should be organised so that people can circulate safely”. Trailing cables should be avoided, and where appropriate the use of cable ducts can help to securely fix cables and prevent accidents, whilst also preventing damage to vital cables.



Visit: www.gradus.com to download: AutoCAD drawings, Gradus & NBS Specifications, Cleaning & Maintenance, Installation Guidelines and Health & Safety Data Sheets.

Profile Information

- Reduces the risk of accidents for pedestrian traffic by providing a safe link between floorcoverings
- Ideal for use in typical office environments, cable ducts can either be set in to the carpet to achieve a flush finish (TD series) or fitted on top of the floorcovering (RD series and CD), ideal where a semi-permanent solution is required. All cable duct profiles, with the exception of CD65 (a one-piece flexible profile), are supplied as separate tops and bases manufactured from PVC-u which clip together to form the cable duct
- Suitable for interior use
- Choice of 4 colours
- Suitable for most light to medium pedestrian traffic applications e.g. offices

Installation Advice

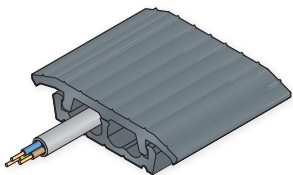
- Examples of typical installations using Cable Ducts are shown on the opposite page



All Gradus products comply with REACH Regulation (EC) 1907-2006 - see page 4 for further details.



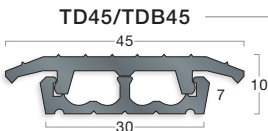
Tops	RD and TD series PVC-u; CD series pvc
Bases	PVC-u
Application	Most interior environments. Suitable for light to medium traffic
Profiles	Dimensions shown are nominal. Illustrations are 70% size in mm. Products subject to minor design alterations without notice.



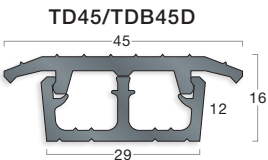
TD45/TDB45

Flush Finish (set in to carpet)

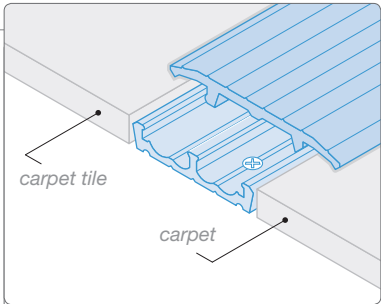
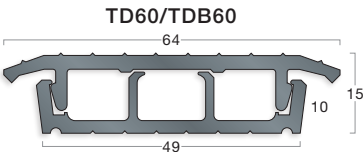
Provides transition between:
Carpets and carpet tiles.



Provides transition between:
Carpets and carpet tiles.



Provides transition between:
Carpets and carpet tiles.

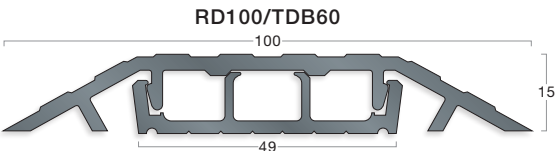


Typical example: TD45/TDB45
carpet tile to carpet.

TDB45, TDB45D and TDB60 contain
up to 100% recycled content.

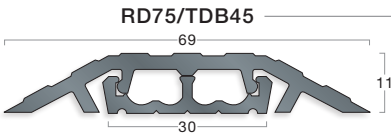
Surface Mounted

For surface fixing on
top of floorcoverings.

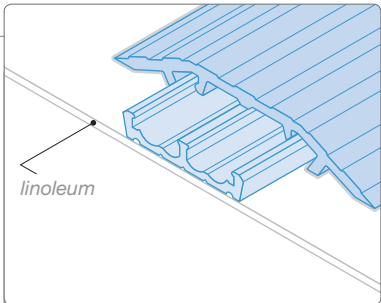
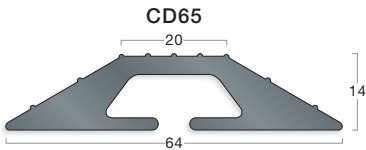


RD profiles are typically used with hard
floorcoverings. For guidelines on use with
carpet contact Technical Support.

For surface fixing on
top of floorcoverings.



For surface
mounting on top
of floorcoverings.



Typical example: RD75/TDB45
surface mounted to linoleum.

Colour options

Black	NCS: 7502-B	Brown	NCS: 6010-Y70R	Granite	NCS: 6502-R	Dove	NCS: 5000-N

For an accurate colour match a
physical product sample should
be requested.

Safety Track™ - Slip-Resistant Finish



Description

Safety Track™ is a heavy-duty slip-resistant surface finish that can be used on ramps, walkways or anywhere where a risk of slip exists. Safety Track consists of a silicone carbide resin carrier with a self adhesive backing.

Availability

- Available in wide choice of sizes and configurations including rolls, cleats, tiles and stair treads
- Rolls are available to be cut to bespoke sizes. Cleats, tiles and stair treads are supplied cut to size with radius corners

Roll Size	25mm x 18m	1" x 60'
	51mm x 18m	2" x 60'
	102mm x 18m	4" x 60'
	153mm x 18m	6" x 60'
	305mm x 18m	12" x 60'
	609mm x 18m	24" x 60'
Cleats	153mm x 609mm	6" x 24"
Tiles	140mm x 140mm	5½" x 5½"
Stair Treads	20mm x 609mm	¾" x 24"
Primer	One Litre Tin	
Edge Fix	Tube (5oz)	

Information

- Suitable for interior and exterior use
- Resistant to most common chemicals
- Suitable for use on most substrates including concrete, stone, terrazzo, wood etc. (surfaces should be primed prior to application with Safety Track primer)
- Available in Black (LRV: 4.58)
- Ideal for use on:
 - Ramps
 - Walkways
 - Gantries
 - Landings
 - Plant and Machinery
 - Emergency Service Vehicles
 - Commercial and Agricultural Vehicles
 - Marine Decking

Installation Advice

- Surfaces must be fully prepared; clean, flat, even and free from any oil, moisture or dust
- Primer is available in 1 litre tins (approximate coverage 5sq/m per tin) to assist with surface preparation. Where there is a danger of water penetration e.g. outdoor locations or other wet areas the use of Edge Fix sealant is recommended. Edge Fix sealant is supplied in 5oz tubes. Maximum adhesive strength is reached after 48 hours. Safety Track should not be installed at temperatures below 5°C
- On steps, apply Safety Track 12mm to 15mm from the step edge to prevent edge curl and premature wear.

Section 6

Appendix

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Specification Guidelines

Colour & Contrast / Light Reflectance Values

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The Building Regulations and British Standards specifying the right Gradus product

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The Gradus Guarantee

All Gradus products are designed to meet the latest UK building regulations. Accessibility to buildings, as well as the provision of an inclusive environment for all, is now a requirement of The Building Regulations (ADM & ADK), BS 8300:2009+A1:2010, BS 9266:2013 & BS 5395-1:2010. Gradus actively seeks the advice of RNIB Access Consultancy Services and The Centre For Accessible Environments, and has consulted directly with Communities & Local Government (formerly the Office of the Deputy Prime Minister). Gradus is confident that all stair edgings, pvc skirtings and transition strips meet the necessary standards and, as such, building owners and specifiers can use Gradus Accessories with confidence.

Testing

- All inserts are tested for: Slip-resistance, surface roughness, chemical and bacterial/fungal resistance
- Wear test independently carried out by SATRA using the Taber Abrader Method and classified in accordance with the results shown in Figure 1
- Slip-resistance tests have been independently undertaken by the Health & Safety Laboratory using the pendulum test (see Figure 2)

Figure 1.

	Composition	Environment	Slip Potential	Stair Edging Compatibility
Xtra-grip & Xtra-grip Plus	Pvc with Mineral Inclusion and Pvc Wear Layer	Interior Dry or Wet Conditions	Dry Conditions Low (PTV Av. 70) Wet Conditions Low (PTV Av. 64)	Aluminium, Bronze, PVC-u XT & Traditional
Interior	Pvc with Natural Mineral Fillers	Interior Dry Conditions	Dry Conditions Low (PTV Av. 68)	Aluminium, Bronze, PVC-u XT, Traditional & Elite
Standard Exterior	Glass Reinforced Polyester with Fused Alumina	Internal or External Conditions	Dry Conditions Low (PTV Av. >66) Wet Conditions Low (PTV Av. >58)	Aluminium, Bronze Traditional
Heavy-Duty Exterior	Glass Reinforced Polyester with Fused Alumina	Internal or External Conditions	Dry Conditions Low (PTV Av. 76) Wet Conditions Low (PTV Av. 67)	Aluminium Trans-Edge TEX
Stairtile	Rubber Composite with Aggregate Fillers	Internal or External Conditions	Dry Conditions Low (PTV Av. >70) Wet Conditions Low (PTV Av. >55)	n/a
Wear Classification *	<p>Xtra-grip, Xtra-grip Plus, Interior and Stairtile inserts achieve wear classifications of: Group T – Class 34 – Commercial Very Heavy Group T – Class 43 – Light Industrial Heavy</p> <p>* Stairtile and Interior (standard, grained, Elite) tested to BS EN 660-2:1999 and assessed against the requirements of BS EN 649:1997. Xtra-grip and Xtra-grip Plus tested to BS EN 13845:2005 – 50,000 cycles.</p> <p>Heavy Duty Exterior and Standard Exterior - accelerated wear test using a SATRA Pedatron</p>			

Figure 2.

Pendulum Test Value (PTV)	Slip Potential
0 - 24	High Slip Potential
25 - 35	Moderate Slip Potential
36+	Low Slip Potential

BS 8300:2009+A1:2010 - a PTV of at least 36 is required irrespective of wet or dry conditions (see page 151)

Cleaning & Maintenance

A planned cleaning and maintenance programme is crucial to help maintain the performance and visual appearance of Gradus stair edgings and to maximise the lifespan of the products. Trained cleaning staff or a reputable contract cleaner should be used.

Gradus has worked with Selden Research to undertake extensive testing on all Gradus stair edgings. As a result, the method of cleaning and a range of cleaning products have been recommended for use with Gradus stair edgings in a variety of environments.

Cleaning and maintenance information for all Gradus stair edgings is available from: www.gradus.com

For further information about recommended cleaning products, including instructions for use and COSHH data sheets, contact:

Selden Research Limited, Staden Business Park, Buxton, Derbyshire SK17 9RZ
Tel: 01298 26226 Email: gradus@selden.co.uk Website: www.selden.co.uk

Specification Guidelines

Colour & Contrast / Light Reflectance Values

Colour and contrast within the built environment affects accessibility of all building users, in particular those with a visual impairment.

Project Rainbow

A research project carried out by Reading University in conjunction with the Royal National Institute of Blind People (RNIB), The Guide Dogs for the Blind Association (GDBA) and ICI Paints first examined the use of colour contrast to aid navigation around the building and identified that highlighting critical surfaces and special features can provide the basis for wayfinding for visually impaired people. The 'Colour Contrast & Perception' document produced by Reading University uses light reflectance values (LRVs) to measure colour and contrast in products/surfaces and determines whether or not a suitable contrast has been achieved between surfaces.

The findings from Project Rainbow identified the following:

Special Features:

Identified as areas that need to be highlighted to allow a building to be used effectively by visually impaired people, i.e. stair edgings, handrails and door opening furniture.

'Special features are additional areas, smaller than critical features, that need to be highlighted to allow the building to be used more easily by visually impaired people. Such features include sanitary ware, handrails, door handles, finger plates, switches, socket outlets, and stair nosing etc, all of which should be contrasted against the background against which they will be seen. Smaller items such as these will need a greater colour difference from their surroundings in order to be identified.'

Trim:

'Special attention is needed to those items used in an internal environment to improve the decorative appeal and overall finish of an interior. Such items, which include coving, skirting, architrave, dado rail etc, should be decorated in colours used on larger critical surfaces.'



✗ Critical surface:
patterned carpet and no stair edgings - staircase looks like a ramp



✓ Special features:
stair edgings are a different colour and luminance to the flooring to define step edges



✓ Special features:
skirting is the same colour as the wall

BS 8300:2009+A1:2010 and The Building Regulations 2010: Approved Document M

British Standard BS 8300:2009+A1:2010 states that light reflectance values (LRVs) are used to assess visual contrast using the method of measurement detailed in BS 8493:2008+A1:2010. Approved Documents M (ADM) & K (ADK) directly refers to colour and contrast in the definitions section, stating:

'Contrast visually, when used to indicate the visual perception of one element of the building, or fitting within the building, against another means that the difference in light reflectance value between the two surfaces is greater than 30 points.'

ADM then refers to Colour, Contrast & Perception - Design Guidance for Internal Built Environments, Reading University (Project Rainbow).

Light Reflectance Values (LRVs) explained

Reflectance is the proportion of light that a surface reflects compared to the amount of light that falls on the surface. An LRV is a value given to a surface to denote the amount of light reflected. Therefore, as many people with a visual impairment can perceive light and dark, LRVs are a suitable method to measure contrast.

LRVs are marked on a scale of 1 to 100 depending on the percentage of light reflected. Dark, matt and/or textured surfaces absorb a large amount of light and, therefore, have low reflectance values. On the other hand, light, glossy and/or smooth surfaces reflect the majority of light that falls on them and have high reflectance values.

Light Reflectance Scale

In order to achieve a suitable contrast between different surfaces, Project Rainbow and ADM recommend that there is at least a 30 point (not 30%) difference in the LRVs of the two surfaces.

Black 0 White 100



How to Measure LRVs

The British Standard [BS 8493:2008+A1:2010](#) specifies the method of test to determine the light reflectance value (LRV) of different surfaces of materials, including preparation of specimens in standardised conditions and results put into a test report. [All relevant Gradus products have been measured using the CIE Y value and a test report is available upon request.](#)

Previous to this standard being published, two widely used methods of measurement had been used - the CIE L value (fluorescent light) and the CIE Y value (natural daylight), causing confusion and potentially dangerous specifications. [This standard has adopted the CIE Y value as the single consistent method of measurement for LRVs that is to be used across all industries.](#)

What the colour & contrast guidelines mean for Gradus flooring accessories:

Stair Edgings

[BS 8300:2009+A1:2010](#): 'Each step nosing should incorporate a permanently contrasting continuous material for the full width of the stair on both the tread and the riser to help blind and partially sighted people appreciate the extent of the stair and identify individual treads. The material should be 50mm to 65mm on the tread and 30mm to 55mm on the riser, and should contrast visually with the remainder of the tread and riser.'

[ADM](#): 'All nosings are made apparent by means of a permanently contrasting material 55mm wide on both the tread and the riser.'

[Colour, Contrast & Perception \(Project Rainbow\)](#): 'The nosing of every step in a flight of stairs should be adequately colour or luminance contrasted with the remainder of the step and the floor coverings adjacent to the top and bottom of the flight.'

Tactile Warning Tile

[BS 8300:2009+A1:2010](#): 'To give advance warning of a step, tactile paving with a corduroy hazard warning surface should be provided at the top and bottom of each flight. Where the approach to the stair is wider than the flight, the tactile surface should extend beyond the line of each edge of the flight.'

[Colour, Contrast & Perception \(Project Rainbow\)](#): 'Colour or luminance contrast of tactile warning floor coverings at the top and bottom of each flight (of stairs) will also assist in the identification of an imminent potential hazard.'

Skirtings

[BS 8300:2009+A1:2010](#): 'To avoid giving the wrong impression about the size of a room, skirtings should have the same LRV as the wall so that the junction between the skirting and the floor marks the extent of the room.'

[Colour, Contrast & Perception \(Project Rainbow\)](#): 'Skirting should be either decorated the same colour as the wall, the same colour as the floor or, if different to one or the other or both, must be decorated in a colour which highlights even further the junction.'

Permission to reproduce extracts from BS 8300:2009+A1:2010 is granted by BSI. British Standards can be obtained in PDF or hard copy formats from the BSI online shop: www.bsigroup.com/Shop or by contacting BSI Customer Services for hard copies only: Tel: +44 (0)20 8996 9001, Email: cservices@bsigroup.com.

Guide to matching PVC-u Hardnose™ channel to insert colours for visual contrast

HARDNOSE™ CHANNEL	LRV	INSERT AVAILABILITY							
		Xtra-grip	LRV	Xtra-grip Plus	LRV	Interior Standard	LRV	Interior Grained	LRV
Black	4.99	Carbon	5.01	Raven	5.01	Jet	4.56	Black	6.47
Ink	5.40	Deepsea	5.94	Navy	5.94	Ink	4.96	-	-
Burgundy	5.89	-	-	-	-	Burgundy	5.70	-	-
Evergreen	6.63	-	-	-	-	Evergreen	6.69	-	-
Midnight	6.77	-	-	-	-	Midnight	6.56	-	-
Brown	7.15	Truffle	7.85	Conker	7.85	Coffee	6.05	Brown	12.13
Bluebell	9.76	-	-	-	-	Ocean	8.00	-	-
Granite	11.69	Rock	10.91	Marl	10.91	Lead	12.77	Granite	13.44
Dove	26.19	Pebble	27.61	Cliff	27.61	Steel	26.99	Dove	23.40
Linen	37.50	-	-	-	-	Linen	38.59	-	-
Glacier	42.73	Vapour	39.74	Lunar	39.74	Glacier	42.09	-	-
Clay	51.53	-	-	-	-	Clay	47.97	-	-
Sky	55.38	Breeze	51.13	Meltwater	51.13	Sky	52.63	-	-
Canvas	55.43	Oat	50.66	Bone	50.66	Canvas	53.27	-	-
Jade	55.54	Pampas	53.04	Vine	53.04	Jade	53.98	-	-
Wisp	56.62	-	-	-	-	Wisp	58.17	-	-
Buttercup	62.62	Zest	51.11	Sulphur	51.11	Buttercup	55.54	-	-
Snowdrift	80.54	Iceberg	81.58	Diamond	81.58	Snowdrift	83.77	-	-

Specification Guidelines

The Building Regulations and British Standards specifying the right Gradus product

The Building Regulations and British Standards are designed to ensure the optimum specification of products through a combination of legislative requirements and guidance. The following extracts have been taken from The Building Regulations 2010 and British Standard BS 8300:2009+A1:2010, BS 9266:2013, BS 5395-1:2010 and show how Gradus products can be used to help satisfy these requirements, and help achieve an inclusive environment in line with the Equality Act 2010. For further details on this or any other aspect of The Building Regulations and British Standards contact Gradus Technical Services on 01625 428922. Guidance varies internationally, please refer to the relevant countries' building standards (or equivalent) before specification.

[Extracts shown below represent examples of good practice.](#)

BS 8300:2009+A1:2010

Guidance on Stair Edgings

5.9.5 Identification and slip resistance of nosings

Each step nosing should incorporate a permanently contrasting continuous material for the full width of the stair on both the tread and the riser to help blind and partially sighted people appreciate the extent of the stair and identify individual treads ❶. The material should be 50 mm to 65 mm on the tread and 30mm to 55mm on the riser, and should contrast visually with the remainder of the tread and riser ❷.

NOTE 1 A nosing that wraps around the riser might assist blind or partially sighted people ❸.

NOTE 2 A proprietary nosing can provide a durable solution that satisfies both visual contrast and slip resistance criteria (see BRE IP 15/03 [13]) ❹.

The whole tread or the nosing should incorporate slip-resistant material, starting as close as practicable to the front edge of the nosing and extending the full width of the tread ❺.

NOTE 3 Guidance on slip resistance of surfaces is given in Annex E.

❶ All Gradus stair edging colours have been measured to provide Light Reflectance Values (LRVs)* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material. PVC-u Hardnose stair edgings can provide an ideal solution as channel and insert colours can be matched to contrast with the tread and riser (see pages 38 to 43).

* These values have been determined using the CIE Y value, in accordance with BS 8493:2008+A1:2010 – see pages 148 to 149 for further details.

② The profile dimensions stated are guidance only and other factors should be taken into consideration when specifying stair edgings such as step dimension and type and frequency of traffic. However, a large proportion of Gradus stair edgings fall between these dimensions stated, including the XT range (see pages 19 to 20 and 39 to 40).

③ The XT range of stair edgings features a slip-resistant pvc insert that extends around the leading edge of the profile to ensure that foot contact is always made with the slip-resistant element of the stair edging, providing the ideal solution for reducing the risk of slips, trips and falls on stairs in line with BRE. The XT range is available in aluminium (see pages 19 to 20) and PVC-u Hardnose (see pages 39 to 40).

8 Vertical circulation

8.1 Internal steps and stairs

8.1.5 Surface finishes

The surface materials used for internal steps and stairs should be chosen to be easy to maintain and as slip-resistant as possible, especially if surfaces are likely to become wet due to location or use, or if spillage occurs.

NOTE Advice and further references on slip resistance of surfaces is given in Annex E.

A choice of slip-resistant insert materials is available for all Gradus stair edgings. Xtra-grip and Xtra-grip Plus inserts have been specifically designed to reduce the risk of slip in internal wet areas or where spillages are likely to occur (see page 12 for advice on specifying the most suitable insert).

Annex E Slip potential characteristics of treads, ramp surfaces and floor finishes

E.2 Slip resistance

The following indices are used to indicate the slipperiness of surfaces:

- a) pendulum test values (PTVs) obtained using a pendulum tester in line with BS 7976-2;
- b) surface micro-roughness (Rz) measurements using a stylus instrument in accordance with BS 1134-1.

E.5 Step nosings

Where slip resistance is required for nosings and treads, the slip resistance needs to be the equivalent to that expected for level surfaces. A PTV greater than 36 is considered to be suitable, as pushing and turning are unlikely on stairs. On existing nosings, the slip resistance of step nosings are generally expressed by their Rz roughness value as PTV is difficult to measure. In such cases a roughness Rz value of 20 µm is recommended.

All Gradus stair edging inserts are independently tested for slip-resistance by the Health & Safety Laboratory using the pendulum test – all inserts have a low slip potential (inserts measured in dry conditions - PTV of between 66 and 71; inserts measured in wet conditions – PTV of between 53 and 64). All inserts are also tested for wear, surface roughness, chemical resistance and bacterial/fungal resistance (see page 147 for further details).

Guidance on Tread Alert

5.9.6 Landings

To give advance warning of a step, tactile paving with a corduroy hazard warning surface should be provided at the top and bottom of each flight. Where the approach to the stair is wider than the flight, the tactile surface should extend beyond the line of each edge of the flight.

NOTE Further information on the correct choice of tactile warning surface can be found in the DTLR publication Guidance on the use of tactile paving surfaces.

Tread Alert has been designed to meet the requirements of "Guidance on the use of tactile paving surfaces" (see pages 140 to 141 for details).

Guidance on Skirtings

9 Surfaces and communication aids

9.1.1 Visual characteristics

The LRV of a wall should be 30 points different from that of the ceiling and of the floor. To avoid giving the wrong impression about the size of a room, skirtings should have the same LRV as the wall so that the junction between the skirting and the floor marks the extent of the room.

All Gradus skirting colours have been measured to provide Light Reflectance Values* in order to provide the specifier with information to ensure that the skirting can be matched to the wall and contrast with the floor.

* These values have been determined using the CIE Y value, in accordance with BS 8493:2008+A1:2010 – see pages 148 to 149 for further details.

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Design of accessible and adaptable general needs housing - Code of Practice.

The requirements of a dwelling's occupants can change as a result of accident, illness or ageing, giving rise to reduced mobility or increasing sensory loss. In order to meet these changing requirements, homes need to be accessible and adaptable; accessible for both visitors and residents and adaptable to meet residents' changing needs both temporary and longer term.

The standard outlines recommendations for design features which can be incorporated when the dwelling is first built, or have provision made at the outset for their future adaptation. This helps reduce the need for expensive or disruptive alterations or substantial adaptations in the future.

This British Standard gives recommendations for methods of selection, planning, installation and maintenance for both stair nosings and barrier matting. Gradus advice and recommendations are [shown in blue text](#).

Guidance on Stair Edgings

6 External access routes

6.8 Steps on access routes

6.8.1 Stepped access routes to individual houses

All step nosings should incorporate a permanently contrasting continuous material for the full width of the stair on both the tread and the riser. The material should contrast visually with the remainder of the tread and riser ❶.

❶ All Gradus stair edging colours have been measured to provide Light Reflectance Values (LRVs)* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material. PVC-u Hardnose stair edgings (see pages 38 to 43) can provide an ideal solution for internal applications as channel and insert colours can be matched to contrast with the tread and riser *These values have been determined using the CIE Y value, in accordance with BS 8493:2008+A1:2010 - see pages 148 to 149 for further details.

NOTE 2 A contrasting nosing at the junction between tread and riser might assist people with a visual impairment.

NOTE 3 Further information on the design of steps, and on visual contrast, refer to BS 8300:2009+A1:2010

6.8.2 Stepped access routes to blocks of flats

All step nosings should incorporate a permanently contrasting continuous material for the full width of the stair on both the tread and the riser, to help people with a visual impairment appreciate the extent of the stair and identify individual treads ❶.

❶ All Gradus stair edging colours have been measured to provide Light Reflectance Values (LRVs)* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material. PVC-u Hardnose stair edgings (see pages 38 to 43) can provide an ideal solution for internal applications as channel and insert colours can be matched to contrast with the tread and riser *These values have been determined using the CIE Y value, in accordance with BS 8493:2008+A1:2010 - see pages 148 to 149 for further details.

The material should be 50 mm to 65 mm wide on the tread and 30 mm to 55 mm on the riser, and should contrast visually with the remainder of the tread and riser ❷.

❷ The profile dimensions stated are guidance only and other factors should be taken into consideration when specifying stair edgings such as step dimension and type and frequency of traffic. However, a large proportion of Gradus stair edgings fall between these dimensions stated, including the XT range (see pages 19 to 20 and 39 to 40) for internal use and the TEX range of heavy duty stair edgings (see page 31) suitable for external use.

The whole tread and the nosing should incorporate a slip-resistant material, starting as close as practicable to the front edge of the nosing and extending the full width and depth of the tread ❸.

❸ Gradus offer a Heavy-Duty Stair & Floor system suitable for heavy traffic exterior and interior environments (see page 33). The system features stair edgings and tread plates for use on stairs and sheet material for use as a floorcovering on landings and walkways to help reduce the risk of slips and trips in the most demanding environments.

NOTE 1 A proprietary nosing can provide a durable solution that satisfies both visual contrast and slip resistance criteria (see BRE IP 15/03 [12]).

NOTE 2 Further information on slip resistance is given in BS 8300:2009+A1:2010

8 Communal areas within blocks of flats

8.2 Design of common steps and stairs

The design of common steps and stairs should conform to 6.8.2

Continued...

Guidance on light reflectance values

8.5 Visual contrast between surfaces or building elements

Differences in light reflectance value (LRV) should be used to assess the degree of visual contrast between surfaces such as floors, walls, doors and ceilings, and between key fittings/fixtures and surrounding surfaces.

NOTE Relevant LRV differentials and methods of LRV measurement are provided in BS 8300:2009+A1:2010, Annex B.

Visual contrast is used to indicate the visual perception of one element of the building, or fitting within the building, against another to ensure the difference in light reflectance value between the two surfaces is greater than 30 points. All Gradus stair edging colours have been measured to provide Light Reflectance Values* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material. *These values have been determined using the CIE Y value, in accordance with BS 8493:2008 - see pages 148 to 149 for further details.

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The Building Regulations 2010 - Approved Document K 2013 edition

Protection from falling, collision and impact

This approved document takes effect on 6th April 2013 for use in England. Current building standards should be checked at time of specification for Wales, Scotland and Northern Ireland.

Approved documents are intended to provide guidance. The main points relating to stairs that are detailed in Approved Document K are shown below with supporting recommendations by Gradus [shown in blue text](#).

K1 Stairs and ladders

Construction of steps

For buildings other than dwellings

1-7 For steps apply the following guidance.

- a. Make step nosings apparent: use material that will contrast visually, a minimum of 55mm wide, on both the tread and the riser.

For common access areas in buildings that contain flats

1-10 Provide a stair with steps that comply with the following guidance.

- a. Make step nosings apparent: use material that will contrast visually, 50mm to 65mm wide on the tread and 30mm to 55mm on the riser.

All Gradus stair edging colours have been measured to provide Light Reflectance Values (LRVs)* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material. PVC-u Hardnose stair edgings can provide an ideal solution as the channel and insert colours can be matched to contrast with the tread and riser (see pages 38 to 43).

*These values have been determined using the CIE Y value in accordance with BS 8493:2008+A1:2010 - see pages 148 to 149 for further details.

The profile dimensions stated are guidance only and other factors should be taken into consideration when specifying stair edgings such as step dimension and type and frequency of traffic. However, a large proportion of Gradus stair edgings fall within the dimensions stated, including the XT range (see pages 19 to 20 and 39 to 40).

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The Building Regulations 2010 - Approved Document M

“Access to and use of buildings”

(2015 edition incorporating 2016 amendments – for use in England)

The latest version of Approved Document M 2004 is stated ‘for use in England’. Current building standards should be checked at time of specification for Wales, Scotland and Northern Ireland.

Approved Document M is split into two parts:

- Volume 1: Dwellings
- Volume 2: Buildings other than dwellings

Volume 1 refers to Approved Document K for specific guidance notes on stair edgings (detailed on page 153). The below abstracts of guidance are taken from Volume 2.

Building owners have a legal duty to ensure all people can gain access to and use a building and its facilities.

Approved documents are intended to provide guidance and much of the guidance in Approved Document M is based on BS 8300:2001. The main points relating to stair and stepped access that are detailed in Approved Document M are shown below, with supporting recommendation by Gradus [shown in blue text](#).

Stepped Access

- 1-27 People with impaired sight risk tripping or losing their balance if there is no warning that steps provide a change in level.
[Use of a stair edging that contrasts with the surrounding tread/riser material will help to clearly define the step edge and warn of a change in level.](#)
- 1-29 Materials for treads should not present a slip hazard, especially when the surface is wet.
[Gradus provides a range of inserts for use in interior \(dry and wet\) and exterior conditions \(see page 12\).](#)
- 1-30 People should easily be able to appreciate where to place their feet by highlighting nosings and avoiding open rises.
[Use of a stair edging that contrasts with the surrounding tread/riser material will help to clearly define the step edge. Both the insert and channel of the stair edging should be of a suitable contrast to the surrounding floor finishes. ADM directly refers to colour contrast in the definitions section stating that:](#)

[‘Contrast visually, when used to indicate the visual perception of one element of a building, or fitting within the building, against another means that the difference in light reflectance value between the two surfaces is greater than 30 points.’](#)

[All Gradus stair edging colours have been measured to provide Light Reflectance Values* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material.](#)

[*These values have been measured using the CIE Y value in accordance with BS 8493:2008+A1:2010. See pages 148 to 149 for further details](#)
- 1-33 (i) All nosings are made apparent by means of a permanently contrasting material 55mm wide on both the tread and the riser.

[The 55mm dimension detailed is guidance only and other factors should be taken into consideration when specifying stair edgings such as step dimension, type and frequency of traffic. Communities and Local Government \(formerly The Office of the Deputy Prime Minister\) also acknowledges that advice given by other expert bodies should be taken into consideration, for example the RNIB Access Consultancy Services who state that the ideal dimension for a stair edging is 55mm on the tread and 30-50mm on the riser, which takes into account lower risers where a 55mm stair edging may take up a large proportion of the riser surface and therefore could be confusing for partially sighted people. If 55mm profiles are required they are available in the Gradus range \(see pages 19, 20, 23, 26, 39, 40 and 41\).](#)

Entrance Lobbies

- 2-29 (e) Floor surface materials within the lobby do not impede the movement of wheelchairs e.g. not coir matting, and changes in floor materials do not create a potential trip hazard.
[The majority of Gradus mats are suitable for use with wheelchairs.](#)
- 2-29 (f) The floor surface helps to remove rainwater from shoes and wheelchairs.
[A combination of Gradus primary and secondary barrier matting will help prevent the ingress of rainwater.](#)
- 2-29 (g) where matwells are provided, the surface of the mat is level with the surface of the adjacent floor finish.
[Gradus offers a range of matwell frames and primary barrier mats designed to work together to provide a smooth transition to the surrounding floor finish.](#)

Corridors and Passageways

- 3-12 In order to help people with visual impairment to appreciate the size of a space they have entered, or to find their way around, there should be a visual contrast between the wall and floor.

[Gradus skirting profiles are available in a wide choice of colours and will provide a suitable colour contrast, helping define where the floor ends and the wall begins.](#)

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Stairs – Part 1:

Code of practice for the design of stairs with straight flights and winders

This standard provides guidance or good practice in the design of stairs with straight flights and winders. Gradus advice and recommendations are [shown in blue text](#)

4 Safety

4.7 Marked nosings

On a normal-use stair, each step or landing nosing should incorporate a permanently contrasting material for the full width of the stair on both the tread and the riser to help blind and partially sighted people appreciate the extent of the stair and identify individual treads. The material should be 50 mm to 65 mm wide on the tread and 30 mm to 55 mm on the riser, and should contrast visually with the remainder of the tread and riser.

NOTE Advice on visual contrast can be found in BS 8300:2009, Annex B.

All Gradus stair edging colours have been measured to provide Light Reflectance Values (LRVs)* in order to provide the specifier with information to ensure that suitable contrast is achieved with the surrounding stair material. PVC-u Hardnose stair edgings can provide an ideal solution as channel and insert colours can be matched to contrast with the tread and riser (see pages 38 to 43).

*These values have been determined using the CIE Y value, in accordance with BS 8493:2008+A1:2010 – see page 148 for further details.

The profile dimensions stated are guidance only and other factors should be taken into consideration when specifying stair edgings such as step dimension and type and frequency of traffic. However, a large proportion of Gradus stair edgings fall between these dimensions stated, including the XT range (see pages 19 to 20 and 39 to 40).

7 Slip resistance

Treads and landings should have a surface (and proprietary nosing, if provided) that does not become slippery in use.

Assessments in slip resistance should be undertaken using a combination of the following:

- a) Pendulum test value (PTVs) obtained using a pendulum tester in line with BS 7976-2; and
- b) Surface micro roughness measurements using a stylus instrument in accordance with BS 1134-1.

NOTE 1 Attention is drawn to the information found in the UK Slip Resistance Group Guidelines [6].

NOTE 2 Any flooring material providing sufficient slip resistance for use on the level, typically with a PTV greater than 36, is suitable for use on stairs.

PTV should be measured in the conditions to which the stair is likely to be exposed.

If strips or inserts are used to improve the slip resistance of steps and stairs, they should be fitted as close possible to the leading edge of the tread and should be of a contrasting colour/brightness. An Rz roughness of 20 µm or more is recommended. Such strips or inserts should be firmly fixed

NOTE 9 For further information on proprietary nosings see BRE IP 15/03 [7].

All Gradus stair edging inserts are independently tested for slip-resistance by the Health & Safety Laboratory using the pendulum test – all inserts have a low slip potential (inserts measured in dry conditions - PTV of between 66 and 70; inserts measured in wet conditions – PTV of between 55 and 64). All inserts are also tested for wear, surface roughness, chemical resistance and bacterial/fungal resistance (see page 147 for further details).

The XT range of stair edgings features a slip-resistant pvc insert that extends around the leading edge of the profile to ensure that foot contact is always made with the slip-resistant element of the stair edging, providing the ideal solution for reducing the risk of slips, trips and falls on stairs in line with BRE. The XT range is available in aluminium (see pages 19 to 20) and PVC-u Hardnose (see pages 39 to 40).

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BRE - Research and Guidelines

BRE has published an information paper (ref. IP15/03) entitled "Proprietary nosings for non-domestic stairs". This paper provides guidance to designers and building managers on the best way to assess the types of proprietary nosings that should be provided on non-domestic stairs.

Gradus has combined the key findings of this report with in-house research and development, and as a result has developed the XT range of profiles.

Detailed below is an overview and summary of the key findings in the BRE information paper.

Overview

The study considered the dynamics of pedestrian stair use. Previous studies have shown that 80% of slips on stairs are likely to occur when users are descending the stairs. This usually occurs as a result of an overstep (i.e. when a substantial portion of the foot overhangs the tread). Therefore as the going (tread width) becomes narrower the likelihood of a slip incident becomes greater. Where the going is less than 300mm the risk of slip is increased. Most non-domestic stairs have a going of between 250mm and 280mm. The risk of slip is further increased if the tread surface is smooth, becomes wet or there is a lack of clear colour contrast at the step edge.

Conclusion

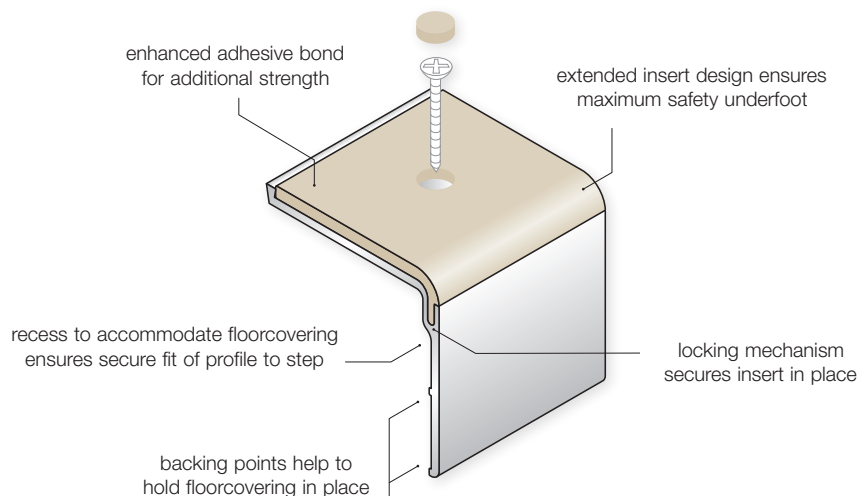
The application of a proprietary nosing may reduce the risk of slipping against the factors highlighted above. The proprietary nosing should incorporate a slip-resistant material that should extend to the point at which it meets the vertical face to minimise the risk of slip in descent. Proprietary nosings should all offer a colour contrast to clearly highlight the step edge.

Diagram to show how a typical overstep situation can occur when the going is less than 300mm.



Gradus recommendation

The XT range of stair edgings (see pages 19 to 20 and 39 to 40) offers a new edge in safety for stairs and has been developed to take into account the latest guidance contained in the BRE information paper IP15/03, BS 8300:2009+A1:2010 and in The Building Regulations 2010 - Approved Document M.



Extracts from BRE Information Paper IP15/03, Proprietary nosings for non-domestic stairs, copyright BRE, reproduced by permission. IP15/03 is available from IHS BRE Press, Bracknell RG12 8FB, www.ihsbrepress.com

CPD Seminars

A full range of RIBA assessed CPD seminars available covering specification, legislation, safety, performance and aesthetics. Gradus is one of the original members of the RIBA CPD Providers Network and currently offers a full range of RIBA assessed and approved CPD seminars covering:

- The Specification & Design Considerations of Stair Edgings
- The Specification & Design Considerations of Wall, Corner & Door Protection systems
- The Specification & Design Considerations of Barrier Matting Systems

All seminars are part of the RIBA core curriculum syllabus and earn double CPD points for those attending the seminars.

For further information contact Gradus Technical Support on 01625 428922 or use the Contact Us form on our website.



UK Slip Resistance Group

Gradus is a member and contributor to the UK Slip Resistance Group, the leading independent authority on slip resistance in the UK that aims to promote greater understanding of the causes of and solutions to slips.

A new guide is now available entitled "What Makes Stairs Safer?" that offers an overview of the key aspects involved in creating safe internal stairs and aims to provide valuable, independent advice to anyone involved in the design, specification, construction, installation, fitting or maintenance of stairs.

For more information and to keep up-to-date with the latest developments, visit: www.ukslipresistance.org.uk





Product Showcase

The Gradus Product Showcase is an informal opportunity for Gradus to bring an exhibition of products directly to you.

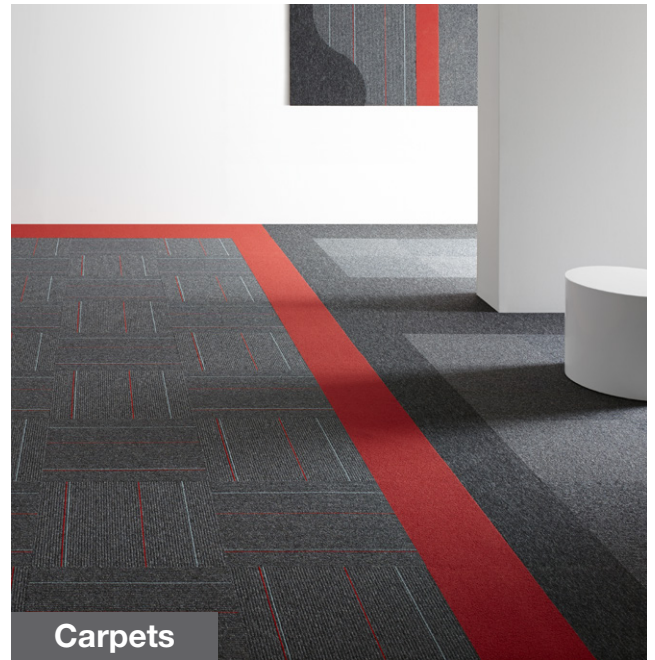
We have designed them to be flexible and informative and they can be arranged at a time and date to suit you. They typically last around 2 hours and in this time people drop in as they wish and Gradus personnel are available to discuss our products generally or address specific requirements.

They are often booked over lunch time and we are happy to work with you to provide lunch or if you prefer a different time, a variety of snacks.

Call to book your Product Showcase on 0800 021 4534
or email: imail@gradusworld.com



Other products in the Gradus range



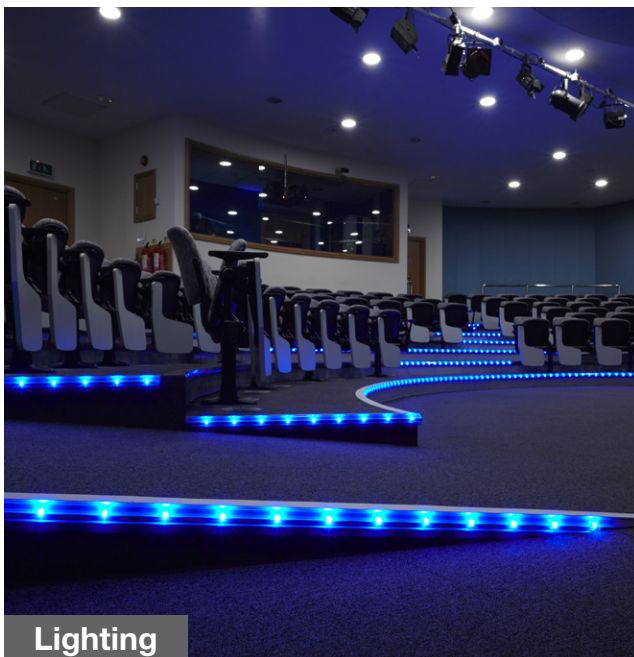
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