

High Build Water Based Non-Skid Acrylic.

Technical Data Sheet No.328

TREDGRIP

PRODUCT DESCRIPTION: A & I Coatings TREDGRIP is a high build, water based acrylic copolymer, which has cross-linked, crumbed rubber incorporated to give excellent non-skid properties. Tredgrip has high elasticity and very good tensile strength. Tredgrip is used as a non-skid protective membrane where permanent flexibility is required.

TYPICAL APPLICATIONS:

Serviceable for both internal and external application. Can also be used as waterproofing protection. For application to most common building substrates such as:

- Timber
- Plywood
- Steel
- Concrete
- Fibreglass
- Masonry Surfaces

TECHNICAL INFORMATION

Vehicle Type	: Acrylic Copolymer
Hardener	: N/A - Single Pack
Pigmentation	: White or Accent based tinted to colour
Pot life	: N/A
Finish	: Matt/Textured
Colour	: Various
Dry time	: Touch Dry - 30 mins @ 25°C
(minimum)	: Full cure - 7 days @ 25°C
Recoat time	: Recoat - 2-4 hours @ 25°C
(minimum)	
Primer Required	: Tredprime – dependant on application.
Theoretical Coverage	: 6m ² per litre per coat recommended.
Volume Solids	: 62%
Usual no. of coats	: Minimum of 2
Flexibility	: Very Good
Abrasion Resistance	: Good
Chemical Resistance	: Good for most common chemicals
Solvent Resistance	: Good for most common chemicals
Salt Spray Resistance	: Good
Weathering	: Excellent
Water Resistance	: Good, not suitable for long term immersion.
Thinning and cleaning	: First coat should always be thinned with approx 20% clean water. Water clean up
Durability	: Excellent

MERITS:

1. Very weather resistant and UV stable.
2. Excellent flexibility to accommodate substrate movement.
3. Exceeds Australian Standard for non-slip coatings.
4. Resists fungal and algae attack.
5. Fast drying with easy re-coat ability and/or repair.
6. Water based and environmentally responsible.
7. Will bridge/fill hairline cracks in concrete

LIMITATIONS:

1. Not suitable for industrial use where heavy machinery may damage coating
2. Not recommended for long-term water immersion
3. Some rubber compounds will bond to Tredgrip in some areas, e.g. car tyres and outdoor furniture feet etc.
4. Do not apply to surfaces for the collection of drinking water as tainting may occur.
5. Do not apply when rain is expected or temperatures could fall below 10°C, or in hot drying winds, or direct sunlight.
6. Do not apply to loose or powdery surfaces.

APPLICATION DATA

Mixing : Tredgrip is thixotropic. Stir contents thoroughly until smooth. Multiple containers should be boxed together to ensure colour uniformity.

Equipment : Most effective results are obtained by using either a brush or a soft synthetic bristle household broom. A long nap roller can also be used. Always apply one coat in one direction, and then apply the other coats at 90° or right angles to the previous coat to ensure adequate and even coverage. Ensure you have a 'wet edge' when doing large areas to avoid track marks in the final appearance.

Cleaning : Wash all equipment in clean water before product dries.

Typical Specification : Clean thoroughly, acid etch if needed, apply Tredprime if concrete powdery or very smooth, otherwise thin first coat of Tredgrip with water, followed by unthinned topcoat.

SURFACE PREPARATION:

All surfaces must be clean and dry, free from dirt, grease, oil, rust, mould and flaking material.

Masonry Surfaces: New concrete should be left to cure for 28 days, before acid etching and flushing with a water blaster. Smooth or powdery surfaces including cement sheeting must be primed with Tredprime.

Steel: Areas of rust must be removed by either sand blasting or wire brush before coating with a water based metal primer according to manufacturer's direction. New surfaces must be thoroughly degreased to remove all traces of oil/grease before coating with a water based metal primer according to manufacturers directions.

Timber: All timber should be suitably primed with a premium quality acrylic timber primer before the application of Tredgrip.

Fibreglass: Surface must be thoroughly sanded with coarse sandpaper (e.g. 60-80 grit) before cleaning with sugar soap and flushing with plenty of clean water.

Previously Painted Surfaces: Remove any loose, flaking or chalking material. Existing paving paints must be thoroughly sanded and cleaned. Tredgrip will generally adhere to previous acrylic coatings if they are sound and clean. Previous oil based enamels must be sanded and thoroughly cleaned. Epoxy coatings and polyurethanes must be sanded, cleaned and primed with a suitable acrylic primer according to manufacturer's directions. Spot prime bare areas for new surfaces. ALL EXISTING PAINT SYSTEMS MUST BE TESTED FOR ADHESION TO THE SURFACE BY DOING A CROSS-CUT AND TAPE PULL-OFF TEST. IF EXISTING SYSTEM SHOWS POOR ADHESION IT MUST BE COMPLETELY REMOVED.

PACKING & STORAGE

Packing : Available in 1, 4 and 10L pails. For availability of other sizes, contact **A & I Coatings**.

Storage : 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.

HEALTH AND SAFETY : All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Tredgrip. Users should familiarize themselves with all the safety aspects of the product prior to usage. Ensure adequate ventilation during use and sufficient air flow for the comfort of the applicator. Wear safety goggles and protective gloves. Keep contents sealed and away from children. Please ensure the current Technical Data Sheet is consulted prior to specification or application of **A & I Coatings** products. If the surface intended to be painted differs from the specification, please consult the **A & I Coatings** Technical team on 1800 819 585.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Note: The figures quoted for drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER

Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.

For additional information, phone our Customer Service Centre on **1800 819 585**.
 SEPTEMBER 2012 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.