

Polyurethane Fast Cure Undercoat

VITRETHANE 555

PRODUCT DESCRIPTION: A & I Coatings VITRETHANE 555 is a high performance fast cure two pack polyurethane based undercoat/ buildcoat for use on timber, fibreglass, compressed fibrous cement which can then be topcoated with a range of A & I Coatings topcoats.

TYPICAL APPLICATIONS:

Can be used as an undercoat/ buildcoat for substrates such as:

- CFC
 - Fibreglass
- MDF
Melamine

TECHNICAL INFORMATION

Vehicle Type : Polyurethane.
Hardener : Isocyanate.
Pigmentation : Titanium Dioxide.
Mixing Ratio : 2 : 1 (Part A : Part B) by Volume.
Pot life : 6 hours @ 20°C.
Finish : Matt.
Colour : White, pastels or grey.
Dry time (minimum) : Touch Dry 15 Mins @25°C
 Dry to sand 4 Hours @25°C
 Full cure Dry overnight. Progressively cures over 7 days.
Recoat time (minimum) : 4 hours at 25°C
Theoretical Coverage : 5m²/ Litre/ Coat @ 75µmDFT.
Volume Solids : 38%.
Recommended DFT : 75µm.
Usual no. of coats : 1 – 2 coats.
Flexibility : Good.
Abrasion Resistance : Fair.
Bacterial Resistance : Excellent.
Chemical Resistance : Good.
Heat Resistance : Good.
Solvent Resistance : Excellent.
Salt Spray Resistance : Good.
Thinning : Thin 5% or as necessary using V108 Medium Thinners (or V112 Retarder when temp above 30° C).
Durability : Excellent durability when suitably topcoated.
Product weight : 1.39Kg/Litre(Pack A); 0.99Kg/Litre(Pack B).

MERITS:

1. Fast drying
2. Positive cure
3. Ease of sanding
4. Good topcoat holdout.

LIMITATIONS:

1. V555 always should be topcoated, otherwise colour fading may occur.
2. For metal coating, a suitable anti-corrosive sealer must be used. V555 may then be used as a sanding sealer.
3. Melamine should be sanded to achieve key.

APPLICATION DATA

Mixing : Pack A to be mixed thoroughly with Pack B (Hardener) with a hand or mechanical stirring prior to use. The opened containers should be immediately resealed to avoid moist air contamination.

Equipment : Air atomisation, airless, electrostatic , HVLP.

Cleaning : V102 Cleaning Thinners or V111 Medium Thinners.

Typical Specification : MDF Coating
 First coat: V555 at 75µm DFT. Sanding with 240/320# sandpaper.
 Topcoat: Vitrethane 430 to colour @50µmDFT.

SURFACE PREPARATION:

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding. Oil, grease, dirt etc must be removed with detergent and water blasting in accordance with AS 1627.1

CFC and Cementitious Board

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by 180 grit sandpaper with orbital sanding to achieve smooth uniform surfaces, providing a sound mechanical key profile for the topcoat to adhere to. Ensure surface is dry and free of all sand, dust, oil, grease and moisture before painting.

Timber

Thoroughly sand along the grain to remove minor imperfections and any loose surface fibres.

Precautions

1. Always coat any end grain thoroughly.
2. Do not coat the timber if moisture content is high.
3. Do the filling of nail holes etc with suitably coloured putty or filler after priming.
4. Give extra attention to corners and edges.

WORK STOPPAGES : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

CLEAN UP : Clean all equipment after use with **A & I Coatings** recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including and delays.

PACKING & STORAGE

Packing : Available in 6 or 24L packs. For availability of other sizes, contact **A & I Coatings**.

Storage : 12 months if stored in sealed containers away from heat & 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 Vitrethane 555. Users should familiarize themselves with all the safety aspects of the product prior to usage.

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 pot life and 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**.