VITRETHANE 555

TECHNICAL DATA SHEET

Polyurethane Fast Cure Undercoat

A & I Coatings **VITRETHANE 555** is a high-performance fast cure two pack polyurethane-based undercoat/ build coat for use on timber, fiberglass, compressed fibrous cement which can then be top coated with a range of A & I Coatings topcoats.

USES & BENEFITS	• CFC • Fiberglass • MDF • Melamine				
	Benefits- 1.Fast drying 2. Positive cure		3. Ease of sanding 4. Good topcoat holdout.		
PHYSICAL PROPERTIES	Vehicle Type	Polyurethane			
	Hardener	Isocyanate			
	Mixing Ratio	2: 1 (Part A : Part B) by Volume			
	Pot Life	6 hours @ 20ºC			
	Finish	Matt			
	Theoretical Coverage	5m²/ Litre/ Coat @ 75µmDFT			
	Volume Solids	38 ± 2 %			
	Recommended DFT	75-100µm			
	Usual No. of Coats	1 to 2			
	Colour	White, pastels or grey			
	Pigmentation	Titanium Dioxide			
	Product Weight	1.39Kg/Litre(Pack A); 0.99Kg/Litre(Pack B)			
ENGINEERING DATA	Abrasion Resistance	Fair			
	Flexibility	Good			
	Bacterial Resistance	Excellent			
	Chemical Resistance	Good			
	Solvent Resistance	Excellent			
	Dry Heat Resistance	Good			
	Salt Spray Resistance	Good			
	Durability	Excellent durability when suitably top coated			
CURING DATA	Substrate Temp.(ºC)	Surface Dry	Dry to Sand	Full Cure	Recoat Min
	25°C	15 Mins	4 Hrs	7 Days	4 Hrs
	Dry overnight. Progressively cures over 7 days				

VITRETHANE 555

TECHNICAL DATA SHEET

Polyurethane Fast Cure Undercoat

A&I COATINGS

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.
	Application	Air atomisation, airless, electrostatic, HVLP.
	Cleaning	V102 Cleaning Thinners or V111 Medium Thinners.
	Thinning	Thin 5% or as necessary using V108 Medium Thinners (or V112 Retarder when temp above 30º C).
SURFACE PREPARATION	All Surfaces	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 Cemer 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	General	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 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 and moisture. Subject to re- inspection thereafter.

VITRETHANE 555

TECHNICAL DATA SHEET

Polyurethane Fast Cure Undercoat

HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for V555. Users should familiarize themselves with all the safety aspects of the product prior to usage

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 onsite 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.

A&I COATINGS
RESULTS DELIVERED

PO Box 820 Moss Vale, NSW 2577

7 Lackey Road Moss Vale NSW 2577

Australia **1800 819 585**
International **+61 2 4869 1441**
Fax **+61 2 4868 3031**
Email helpdesk@aicoatings.com
www.aicoatings.com.au