

# VITRETHANE 606

## TECHNICAL DATA SHEET

Hand Applied Flexible Polyurethane Elastomer



A & I Coatings VITRETHANE 606 is a two component, hand applied, flexible polyurethane elastomer that has excellent abrasion, impact, and chemical resistance. It is suitable over cementitious, timber, or metal surfaces, and is fast curing. For long term UV resistance, V606 needs an appropriate UV resistant finish coat.

<b>USES &amp; BENEFITS</b>	Vitrethane 606 is ideally suited to sealing, protecting and waterproofing suspended concrete slabs such as: • Carpark decks and roofs • Bunded areas • Floors When used with a suitable primer, V606 will adhere to virtually any surface, and so can be used as a waterproof membrane in multiple applications.	
	<b>Benefits</b> 1. 100% Solids – 0 VOC's 2. Excellent long term flexibility and therefore suitability for protection and sealing of surfaces subject to thermal and circumstantial expansion and contraction 3. May be brush and roller applied 4. Fast application and cure, giving reduced application cost for a very long term solution 5. Excellent crack bridging capability	<b>Limitations</b> 1. Must be applied by a specialist applicator 2. Limited long term UV resistance – must be overcoated with an approved topcoat
<b>PHYSICAL PROPERTIES</b>	Vehicle Type	100% Solids Polyurethane Elastomer
	Hardener	Reactive Isocyanate
	Pigmentation	Various
	Mixing Ratio	100:23.31 Isocyanate: Polyol by weight
	Pot Life	20 – 35 minutes depending on temperature
	Finish	Textured or smooth
	Colour	Mid Grey
	Dry time (minimum)	4 hours @ 25°C
	Recoat time (minimum)	Max 1 day after application
	Primer Required	A&I Coatings technical staff can advise. In many situations E2100 will be suitable.
	Theoretical Coverage	Membrane – 0.5 - 1m <sup>2</sup> /L
	Volume Solids	100%
	Recommended DFT	1 -2 mm
	Usual no. of coats	1
	Flexibility	Excellent –
	Abrasion Resistance	Excellent – Din Abrasion 120 (mm <sup>3</sup> )
	Bacterial Resistance	Excellent
	Chemical Resistance	Excellent to most chemicals – refer to A&I Coatings for full appraisal
	Heat Resistance	100 °C
	Solvent Resistance	Excellent
Salt Spray Resistance	Excellent	
Thinning and cleaning	Clean equipment with hydrocarbon solvent	
Durability	Excellent – needs protection from long term UV exposure by suitable finish paints	
Product weight	1.15Kg/Litre - Pack A, 1.108Kg/Litre - Pack B	

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<b>APPLICATION DATA</b>	Store in a dry location as urethane components are susceptible to moisture contamination. <ul style="list-style-type: none"><li>• The substrate should be at least 5°C .</li><li>• Polyol must be shaken thoroughly and then poured into Part A.</li><li>• Mix Part A&amp;B must be power stirred together thoroughly without generating an excess of bubbles.</li></ul>	
	Apply to following. <ul style="list-style-type: none"><li>• Light duty abrasive coatings 1 - 2 mm</li><li>• Medium duty abrasive coatings 2.5 - 5 mm</li><li>• Heavy-duty abrasive coatings 5 or more</li><li>• Corrosive protection 1 - 1.5 mm</li></ul>	
<b>SURFACE PREPARATION</b>	Surface preparation required will vary depending on the type of substrate being treated, and the requirements on the applied membrane/film. However, as a minimum, the surface must be free of all contaminants, must have a mechanical key, must be low in moisture, and must be suitably primed. A&I Coatings Technical Staff will provide full Project Specific recommendations as required.	
<b>PACKING &amp; STORAGE</b>	<b>Packing</b>	Available in 17.26 kg kits
	<b>Storage</b>	12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter. Product must be stirred thoroughly before being reacted/used

**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 606. Users should familiarize themselves with all the safety aspects of the product prior to usage.

### Component A (isocyanate)

This is a potential respiratory sensitiser. Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product.

Avoid contact with the eyes or skin and breathing the vapour.

### Component B (polyurethane resin system)

Avoid contact with the eyes or skin. If eye contact occurs, flush thoroughly with water and consult a physician.

Wear appropriate personal protective equipment when servicing equipment.

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 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 on 1800 819 585, or e-mail [helpdesk@aicoatings.com](mailto:helpdesk@aicoatings.com) Visit our website for more products: [www.aicoatings.com](http://www.aicoatings.com)



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