

# VITRETHANE 606

## TECHNICAL DATA SHEET

Hand Applied Flexible Polyurethane Elastomer



A & I Coatings **VITRETHANE 606** is a two component, hand applied, flexible polyurethane elastomer.

<b>USES &amp; BENEFITS</b>	Ideally suited to sealing, protecting and waterproofing suspended concrete slabs such as: • Carpark decks and roofs • Bunded areas • Floors	
	Benefits- 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 Fast application and cure, giving reduced application cost for a very long-term solution 4. Excellent crack bridging capability	
<b>PHYSICAL PROPERTIES</b>	Vehicle Type	100% Solids Polyurethane Elastomer
	Hardener	Reactive Isocyanate
	Mixing Ratio	100: 23.31 Isocyanate: Polyol by weight
	Pot Life	20 – 35 minutes depending on temperature
	Finish	Textured or smooth
	Theoretical Coverage	Membrane – 0.5 - 1m <sup>2</sup> /L
	Volume Solids	100 ± 2 %
	Recommended DFT	1-2µm
	Usual No. of Coats	1
	Colour	Mid Grey
	Pigmentation	Various
	Product Weight	1.15Kg/Litre - Pack A, 1.108Kg/Litre – Pack B
<b>ENGINEERING DATA</b>	Abrasion Resistance	Excellent – Din Abrasion 120 (mm <sup>3</sup> )
	Flexibility	Excellent
	Solvent Resistance	Excellent
	Bacterial Resistance	Excellent
	Chemical Resistance	Excellent to most chemicals – refer to A&I Coatings for full appraisal
	Dry Heat Resistance	Up to 100°C
	Salt Spray Resistance	Excellent
	Durability	Excellent – needs protection from long term UV exposure by suitable finish paints
<b>CURING DATA</b>	Substrate Temp.(°C)	Dry to Handle
	25°C	4 Hr
	Maximum Recoat Time – One day. Abrade to secure mechanical bond after this.	

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<b>APPLICATION DATA</b>	Mixing	Pack A must be shaken thoroughly and then poured into Part A. Part A & B must be power stirred together thoroughly without generating an excess of bubbles
	Application	Apply to following- Light duty abrasive coatings 1 - 2 mm Medium duty abrasive coatings 2.5 - 5 mm Heavy-duty abrasive coatings 5 or more Corrosive protection 1 - 1.5 mm
<b>SURFACE PREPARATION</b>	All Surfaces	The substrate should be at least 5°C. 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>WORK STOPPAGES</b>	General	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).
<b>PACKING &amp; STORAGE</b>	Packing	Available in 17.26 kg kits
	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.
<b>HEALTH &amp; SAFETY</b>	All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for V606. 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.



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