

# VITRETHANE 620

## TECHNICAL DATA SHEET

Industrial Two Pack Polyurethane



A & I Coatings **VITRETHANE 620** is a solvent based two pack acrylic urethane with very good exterior durability and excellent application properties. It is quick drying, well suited to onsite application, and can be brush, roller or spray applied.

<b>USES &amp; BENEFITS</b>	Industrial roller shutters • Steelwork • Refurbishment of weathered Colourbond • fascias • Truck bodies • Machinery • Mining Infrastructure				
	Benefits- 1. Excellent for brush and roller application 2. Polyurethane colour and gloss retention				
<b>PHYSICAL PROPERTIES</b>	Vehicle Type	Reactive acrylic resin			
	Hardener	Aliphatic isocyanate			
	Mixing Ratio	4: 1 (Part A : Part B) by Volume			
	Pot Life	4 hours at 25°C			
	Finish	Gloss			
	Theoretical Coverage	10m <sup>2</sup> /litre/50 microns theoretical (dependent on colour of coating)			
	Volume Solids	50 ± 2 % (White)			
	Recommended DFT	50 to 100 microns			
	Usual No. of Coats	1 to 2			
	Colour	Unlimited colour range			
	Pigmentation	Titanium Dioxide and other organic and inorganic pigments			
	Product Weight	Pack A 0.96 – 1.7Kg/L dependent on pigmentation; Pack B 0.98Kg/L			
<b>ENGINEERING DATA</b>	Abrasion Resistance	Excellent resistance to scrubbing and sand abrasion			
	Flexibility	Excellent flexibility - adequate for normal substrate movement			
	Bacterial Resistance	Good			
	Chemical Resistance	Good			
	Solvent Resistance	Moderate resistance to solvents and oils			
	Dry Heat Resistance	Good			
	Durability	Very Good			
<b>CURING DATA</b>	Substrate Temp.(°C)	Surface Dry	Dry to Handle	Full Cure	Recoat Min
	25°C	30 Mins	10 Hrs	7 Days	15-30 Mins
	Maximum Recoat Time - within 48 hours at 25°C. Abrade to secure mechanical bond after this.				

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<b>APPLICATION DATA</b>	Mixing	Pack A to be mixed thoroughly, then thoroughly mix Pack A with Pack B (Hardener) prior to use.
	Application	Airless, air assisted airless, electrostatic, HVLP, air atomisation. (A & I Coatings technical staff can advise on the most appropriate equipment for a specific task). Brush and roller are only suitable for small areas.
	Cleaning	V102 Cleaning Thinners or V111 Medium Thinners.
	Thinning	Thin up to 10% with V111 medium thinners if necessary
	Typical Specification	Mild steel or galvanised steel: Vitrethane 580 to 75 - 200 microns DFT Vitrethane 620 to 70 microns DFT
<b>SURFACE PREPARATION</b>	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.
	Aluminium, galvanised steel & Zincalume	Remove oil and grease with mild detergent or with solvent to AS 1627.1. Slightly roughen the surface by sanding or light whip blasting with a non-metallic abrasive.
	Steel	Degrease the surfaces and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to specified/recommended AS 1627-1 to 10 class Sa 2.5. Apply A & I Coatings VITRESET 580 Primer to specification. Please consult A & I Coatings Technical team for particular specifications.
<b>WORK STOPPAGES</b>	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).
<b>PACKING &amp; STORAGE</b>	Packing	Available in 5 or 20L 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.
<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 V620. Users should familiarize themselves with all the safety aspects of the product prior to usage	

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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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