

VITRETHANE 182N

Glass Primer

Technical Data Sheet Number 052



<p>PRODUCT DESCRIPTION</p>	<p>A & I Coatings VITRETHANE 182N is a clear low viscosity primer containing reactive coupling agents which function as an adhesive for glass and other substrates. The primer bonds to the substrate via a hydrolysis reaction with moisture from the air.</p>				
<p>USES & BENEFITS</p>	<ul style="list-style-type: none"> • Architectural & automotive glass • Ceramic tile • Vitrified clay pipe • Steel • Aluminium • Brass • Electro-coated metal • Glass fabric 				
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> 1. Single coat application. 2. Versatile – may be applied by spray, dip or polyester felt applicator 	<p><u>Limitations</u></p> <ol style="list-style-type: none"> 1. Must be given enough time to hydrolyse, without being left for an extended period of time 2. Lid must be kept tightly sealed 			
<p>PHYSICAL PROPERTIES</p>	<p>Vehicle Type</p>	<p>Combination of reactive coupling agents</p>			
	<p>Finish</p>	<p>Colourless thin layer primer</p>			
	<p>Theoretical Coverage</p>	<p>Approx. 100m²/litre/1µm DFT</p>			
	<p>Volume Solids</p>	<p>Approx. 7%.</p>			
	<p>Recommended DFT</p>	<p>1.5 – 2.5 microns</p>			
	<p>Usual No. of Coats</p>	<p>1 coat</p>			
	<p>Colour</p>	<p>Light yellowish liquid</p>			
	<p>Product Weight</p>	<p>0.88 Kg/L</p>			
<p>CURING DATA</p>	<p>Substrate Temp.(°C)</p>	<p>Dry Time@25°C</p>	<p>Dry Time@90°C</p>		
	<p>25 °C</p>	<p>1 – 2 Hrs</p>	<p>3 mins.</p>		
	<p>Note</p>	<p>Dry time is dependant on the humidity and temperature. At normal conditions of 50% (minimum) humidity and 25°C it will achieve sufficient cure in 1 hour.</p>			

APPLICATION DATA	Mixing	Stir thoroughly. Do not dilute. Diluents introduce moisture.
	Application	Spray, dip or polyester felt applicator.
	Cleaning	To ensure optimum adhesion to glass, clean the substrate with Vitrethane 101 degreaser prior to primer application.
	Typical Specification	To ensure optimum adhesion to glass, clean the substrate with VITRETHANE 101 Degreaser prior to primer application. VITRETHANE 182N primer should be stirred prior to use and is best applied by spray, dip or polyester felt applicator, wiped off and then allowed to hydrolyse in moist air (50 – 80% RH) between 21°C and 35°C) for a minimum of one hour. Heat can be used to reduce the hydrolysis time.
SURFACE PREPARATION	All surfaces	All surfaces to be structurally sound and free of contamination, particularly salt deposits. Oil, grease, dirt etc must be removed with solvent degrease in accordance with AS 1627.1.
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 and delays.
PACKING & STORAGE	Packing	Available in 1Litre or 4Litre Tins. Also available in 10 mil satchet for printing applications
	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.
HEALTH & SAFETY	<p>All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Vitrethane 182. Users should familiarise themselves with all the safety aspects of the product prior to usage.</p> <p>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.</p>	

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.

May 2022 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.