

# VITREFLON 744

## TECHNICAL DATA SHEET

Anti-Graffiti Fluoropolymer Finish



A & I Coatings **VITREFLON 744** is a fluoropolymer-based resin cross-linked with aliphatic isocyanates at room temperature or under low bake conditions.

<b>USES &amp; BENEFITS</b>	Fascia's/ facades • High capital cost structures • Bridges/ Towers • Roadside and noise barriers				
	Benefits-				
	1. Excellent weathering performance. 2. Excellent application properties.	3. Excellent chemical resistance. 4. Excellent anti-graffiti properties			
	5. Vitreflon will give at least 100% better UV Resistance than a top-quality acrylic urethane				
<b>PHYSICAL PROPERTIES</b>	Vehicle Type	Fluoropolymer			
	Hardener	Isocyanate			
	Mixing Ratio	4: 1 (Part A: Part B) by Volume			
	Pot Life	4 hours at 20°C			
	Finish	Gloss, Satin			
	Theoretical Coverage	6m <sup>2</sup> /litre/50 microns theoretical (dependent on colour of coating)			
	Volume Solids	30 ± 2 % (White)			
	Recommended DFT	50 to 100 microns			
	Usual No. of Coats	1 to 2			
	Colour	Unlimited colour range			
	Pigmentation	Titanium Dioxide			
	Product Weight	White – 1.24kg/L, Clear - 1.08kg/L, Hardener - 0.95kg			
<b>ENGINEERING DATA</b>	Abrasion Resistance	Excellent resistance to scrubbing and sand abrasion			
	Flexibility	Excellent flexibility - adequate for normal substrate movement			
	Bacterial Resistance	Excellent			
	Chemical Resistance	Excellent resistance to organic and inorganic acids, good resistance to alkalis Excellent resistance to water-splash & short-term immersion			
	Solvent Resistance	Fair resistance to solvents & oils			
	Salt Spray Resistance	Excellent			
	Dry Heat Resistance	Good			
	Durability	Superior			
<b>CURING DATA</b>	Substrate Temp.(°C)	Surface Dry	Dry to Handle	Full Cure	Recoat Min
	25°C	2 Hrs	16 Hrs	7 Days	10 Mins

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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	Clean equipment using Vitrethane 102 Cleaning Thinners or Vitrethane 111 Medium Thinners.
	Thinning	Thin if to a viscosity of 16-20 seconds Ford Cup No.4 using Vitrethane 111 Medium thinners or Vitrethane 108 Slow thinners if above 20°C. Normally 20-30% is required.
	Typical Specification	Mild Steel: Abrade by appropriate means, clean to AS1627.4 Class 2 ½1. 1. Vitrethane 590 to 75 microns <u>2. Vitreflon 744 to 60 microns</u> Total 90 microns DFT.
<b>SURFACE PREPARATION</b>	Concrete	Acid etch or mild alkaline wash according to site specific recommendations. Prime with recommended epoxy primer.
	Galvanised Steel	Whip blast or suitably abrade and clean. Prime with suitable epoxy primer.
<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 V744. 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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