

# VITREFLON 744

## Anti Graffiti Fluoropolymer Finish

Technical Data Sheet Number 091



PRODUCT DESCRIPTION	A & I Coatings <b>VITREFLON 744</b> is a fluoropolymer based resin cross-linked with aliphatic isocyanates at room temperature or under low bake conditions. It has many merits as set out in the box at the bottom of this page.				
USES & BENEFITS	As a final coat of VITRETHANE systems for: <ul style="list-style-type: none"> <li>• Fascias</li> <li>• Bridges and towers</li> <li>• High capital cost structures</li> <li>• Roadside and noise barriers</li> </ul>				
	<u>Benefits</u> <ol style="list-style-type: none"> <li>1. Excellent weathering performance</li> <li>2. Excellent anti-graffiti properties</li> <li>3. Excellent application properties</li> <li>4. Excellent chemical resistance</li> <li>5. Vitreflon will give at least 100% better UV Resistance than a top quality acrylic urethane</li> </ol>	<u>Limitations</u> <ol style="list-style-type: none"> <li>1. Due to its Anti-Graffiti properties V744 is not easily recoated</li> </ol>			
PHYSICAL PROPERTIES	Vehicle Type	Fluoropolymer			
	Hardener	Isocyanate			
	Mixing Ratio	Pack A + Pack B = 4 + 1 by volume			
	Pot Life	Depending on thinner quantity, up to 4 hours @ 20°C, less at higher temperatures			
	Finish	Gloss or satin			
	Theoretical Coverage	6m <sup>2</sup> /Litre @ 50 microns			
	Volume Solids	30%			
	Recommended DFT	50 to 100 microns			
	Colour	To any colour			
	Pigmentation	Titanium Dioxide			
	Primer Required	Yes			
	Usual No. of Coats	One double header coat			
Product Weight	White – 1.24kg/L, Clear - 1.08kg/L, Hardener - 0.95kg				
ENGINEERING DATA	Abrasion Resistance	Excellent			
	Flexibility	Excellent			
	Bacterial Resistance	Excellent			
	Chemical Resistance	Excellent resistance to organic and inorganic acids, good resistance to alkalis Excellent resistance to water-splash & short term immersion			
	Dry Heat Resistance	Good			
	Solvent Resistance	Fair resistance to solvents & oils			
	Salt Spray Resistance	Excellent			
	Durability	Superior			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Pot Life
	15 °C				
	25 °C	2 Hrs	16 Hrs	7 Days	3 Hrs
	35 °C				
	Note	Recoat when previous coat is tacked off, normally approx. 10 mins at 20 °C			

APPLICATION DATA	Mixing	Mix Part A & B thoroughly with hand or power stirring.
	Application	Airless, air assisted airless, electrostatic, HVLP, air atomisation. 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	<u>Mild Steel:</u> Abrade by appropriate means, clean to AS1627.4 Class 2 ½1. 1. Vitrethane 590 to 75 microns 2. Vitreflon 744 to 60 microns Total 90 microns DFT
SURFACE PREPARATION	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.
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 5 or 20L kits. 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.
HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Vitreflon 744. Users should familiarize themselves with all the safety aspects of the product prior to usage. 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.

May 2019 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.