

# Anti Graffiti Fluoropolymer Finish

## VITREFLON 744

Technical Data Sheet No. 091

**PRODUCT DESCRIPTION:** A & I Coatings VITREFLON 744 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.

### TYPICAL APPLICATIONS:

As a final coat of VITRETHANE systems for:

- Fascias
- Bridges and towers
- High capital cost structures
- Roadside and noise barriers

### TECHNICAL INFORMATION

<b>Vehicle Type</b>	: Fluoropolymer
<b>Hardener</b>	: Isocyanate
<b>Pigmentation</b>	: TiO <sub>2</sub>
<b>Mixing Ratio</b>	: Pack A + Pack B = 4 + 1
<b>Pot life</b>	: Depending on thinner quantity, up to 4 hours @ 20°C, less at higher temperatures
<b>Finish</b>	: Gloss or satin
<b>Colour</b>	: To any colour
<b>Dry time (minimum)</b>	: Touch dry 2 hours @ 25°C Dry to handle 16 hours @ 25°C. Hard enough to handle overnight. Full cure progressive over 7 days
<b>Recoat time</b>	: Recoat when previous coat is tacked off, normally approx. 10 mins at 20 °C
<b>Primer Required</b>	: Yes
<b>Theoretical Coverage</b>	: 6m <sup>2</sup> /Litre/50 microns
<b>Volume Solids</b>	: 30%
<b>Recommended DFT</b>	: 50 to 100 microns
<b>Usual no. of coats</b>	: One double header coat
<b>Flexibility</b>	: Excellent
<b>Abrasion Resistance</b>	: Excellent
<b>Bacterial Resistance</b>	: Excellent
<b>Chemical Resistance</b>	: Excellent resistance to organic and inorganic acids, good resistance to alkalis Excellent resistance to water-splash & short term immersion.
<b>Heat Resistance</b>	: Good
<b>Solvent Resistance</b>	: Fair resistance to solvents & oils
<b>Salt Spray Resistance</b>	: Excellent
<b>Thinning and cleaning</b>	: 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.
<b>Durability</b>	: Superior
<b>Product weight</b>	: White – 1.24kg/L, Clear - 1.08kg/L, Hardener - 0.95kg

### MERITS:

1. Excellent weathering performance
2. Excellent anti-graffiti properties
3. Excellent application properties
4. Excellent chemical resistance
5. Vitreflon will give at least 100% better UV Resistance than a top quality acrylic urethane

### LIMITATIONS:

1. Due to its Anti-Graffiti properties V744 is not easily recoated.

**APPLICATION DATA**

**Mixing** : Mix Part A & B thoroughly with hand or power stirring.

**Equipment** : 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

**Typical Specification** :

**Mild Steel**      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.

**Galvanized Steel:**      Whip blast or suitably abrade and clean. Prime with suitable epoxy primer

**WORK STOPPAGES** : 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 AND 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 site 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**.  
 SEPTEMBER 2011 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.