

Two Pack High Solids Fluoropolymer Coating VITREFLON 790

PRODUCT DESCRIPTION: A & I Coatings VITREFLON 790 is a high performance two pack fluoropolymer resin base top coat that can cure at room temperature or under low bake conditions. This gives excellent UV resistance and weathering performance. It has good application properties and chemical resistance. The 'State of the Art' technology lowers the lifetime maintenance cost of coating in a variety of environments.

TYPICAL APPLICATIONS:

- Fascias and facades
- High capital cost structures
- Bridges
- Towers
- Wind turbines
- Chemical plants
- Structural steel and roofing

TECHNICAL INFORMATION

Vehicle Type	: Modified Fluoropolymer.
Hardener	: Isocyanate.
Pigmentation	: Various.
Mixing Ratio	: 4:1(Part A : Part B) by Volume.
Pot life	: 2 hours at 20°C, less at higher temperatures.
Gloss Level	: Gloss or satin.
Colour	: Any colour.
Dry time	: Touch dry 30 mins@25°C.
(minimum)	Full cure - 7 days.
Recoat time	: Two coats can be applied wet on wet. A guide for flash off times is a follows:
Recoat Time	: 10°C 23°C 40°C
(minimum)	4 Hrs 2 Hrs 1Hr
Primer Required	: Yes, dependant on substrate. Contact A & I Coatings for specific applications.
Theoretical Coverage	: 12.3m ² /Litre@50 microns theoretical.
Volume Solids	: Approx 62% - Varies slightly according to pigmentation.
Recommended DFT	: 50 - 100 microns DFT – dependant on the specification and environment.
Usual no. of coats	: 1 – 2 coats wet on wet.
Flexibility	: Permanent flexibility - adequate for normal substrate movement.
Abrasion Resistance	: Excellent resistance to scrubbing and sand abrasion.
Bacterial Resistance	: Excellent.
Chemical Resistance	: Excellent resistance to organic and inorganic acids.
Dry heat Resistance	: Excellent.
Solvent Resistance	: Good.
Salt Spray Resistance	: Excellent.
Thinning	: V111 Medium Thinners.
Durability	: Outstanding.
Product weight	: 1.25 ~ 1.45Kg/Litre.

<p>MERITS:</p> <ol style="list-style-type: none"> 1. Excellent weathering performance. 2. Excellent corrosion resistance when used in conjunction with suitable anti-corrosive primers. 3. Outstanding colour and gloss retention 	<p>LIMITATIONS:</p> <ol style="list-style-type: none"> 1. Maximum achievable gloss level is 85%
---	---

APPLICATION DATA	
Mixing	: Mix Pack A and Pack B in ratio 4: 1 by volume and stir thoroughly.
Equipment	: Air atomisation, airless, air assisted airless, HVLP (A & I Coatings technical staff can assist in this area).
Cleaning	: V102 Cleaning Thinners.
Typical Specification	: Contact A & I Coatings for specific Specifications, dependant on substrate.

SURFACE PREPARATION:
 All surfaces to be structurally sound and free of any contamination such as oil, grease, dirt and salt deposits, which if present, must be removed in accordance with AS1627.1. Any sharp edges and rough welds are to be rounded off and weld spatter removed.
 Steel substrates are to be abrasive blasted to a minimum AS1627.4 Class 2.5 leaving a blast profile of 40-70 microns.

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 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.

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 790. Users should familiarise 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**.
 August 2013 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.