

VITREFLON 795

TECHNICAL DATA SHEET
Two Pack High Solids Fluoropolymer



A & I Coatings VITREFLON 795 is a fast cure high performance high solids two pack fluoropolymer resin-based topcoat that can cure at room temperature or under low bake conditions.

USES & BENEFITS	Bridges and towers • Chemical Plants • High capital cost structures • Wind Turbines • Structural Steel and Roofing				
	Benefits-				
	1. Excellent weathering performance.		3. Outstanding colour and gloss retention		
	2. Excellent corrosion resistance when used in conjunction with suitable anti-corrosive primers.		4. High solids for maximum application efficiency		
PHYSICAL PROPERTIES	Vehicle Type	Modified Fluoropolymer			
	Hardener	Isocyanate			
	Mixing Ratio	4: 1 (Part A: Part B) by Volume			
	Pot Life	1.5 hours at 25°C			
	Finish	Satin			
	Theoretical Coverage	8.3m ² /litre/75 microns theoretical			
	Volume Solids	62 ± 2 % (White)			
	Recommended DFT	50 to 125 microns			
	Usual No. of Coats	1 to 2			
	Colour	Unlimited colour range			
	Pigmentation	Titanium Dioxide			
	Product Weight	1.25 ~ 1.45Kg/Litre			
ENGINEERING DATA	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			
	Solvent Resistance	Fair resistance to solvents & oils			
	Salt Spray Resistance	Excellent			
	Dry Heat Resistance	Excellent			
	UV Resistance	Superior			
CURING DATA	Substrate Temp.(°C)	Surface Dry	Dry to Handle	Full Cure	Recoat Min
	5°C	10 Hrs	24 Hrs	10 Days	1 Hr
	15°C	4 Hrs	18 Hrs	7 Days	30 Mins
	25°C	2 Hrs	12 Hrs	5 Days	15 Mins
	35°C	1 Hrs	8 Hrs	3 Days	10 Mins
	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			

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	Thinning	Vitrethane 111 Medium thinners
	Typical Specification	Contact A & I Coatings for specific Specifications, dependent on substrate.
SURFACE PREPARATION	All Surfaces	All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS 1627. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent cleaning to AS1627.1. Primers should be abraded as necessary. 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	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).
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 & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for V795. Users should familiarize themselves with all the safety aspects of the product prior to usage	

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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