

VITREFLON 795

Two Pack High Solids Fluoropolymer

Technical Data Sheet Number 1003



PRODUCT DESCRIPTION	A & I Coatings VITREFLON 795 is a fast cure high performance high solids two pack fluoropolymer resin based top coat that can cure at room temperature or under low bake conditions. This product exhibits excellent UV resistance and weathering performance. The exceptional durability of Vitreflon 795 SR FEVE results in significant maintenance cost savings over the life of an asset.						
USES & BENEFITS	<ul style="list-style-type: none"> • Bridges and towers • Chemical Plants • High capital cost structures 			<ul style="list-style-type: none"> • Wind Turbines • Structural Steel and Roofing 			
	<u>Benefits</u> <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 4. High solids for maximum application efficiency 			<u>Limitations</u> <ol style="list-style-type: none"> 1. Maximum achievable gloss level is 30% 			
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		Approx. 62% dependant on pigmentation				
	Recommended Film Thickness		Min	Max			
	Wet Film Thickness per coat (microns)		80	200			
	Dry Film Thickness per coat (microns)		50	125			
	Colour		Unlimited Colour Range				
	Primer Required		Yes, dependant on substrate. Contact A & I Coatings for specific applications				
	Product Weight		1.25 ~ 1.45Kg/Litre				

ENGINEERING DATA	Abrasion Resistance		Excellent resistance to scrubbing, scratching and sand abrasion			
	Flexibility		Permanent flexibility - adequate for normal substrate movement			
	Bacterial Resistance		Excellent			
	Chemical Resistance		Excellent resistance to organic and inorganic acids			
	Dry Heat Resistance		Excellent			
	Solvent Resistance		Excellent			
	UV resistance		Outstanding			
	Salt Spray Resistance		Excellent			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat Min	Pot Life
	5 °C	10 Hrs	24Hrs	10 Days	1 Hr	2.5 Hrs
	15 °C	4Hrs	18Hrs	7 Days	30 mins	2 Hrs
	25 °C	2Hrs	12Hrs	5 Days	15 mins	1.5 Hrs
	35 °C	1Hr	8Hrs	3 Days	10 mins	1 Hr

APPLICATION DATA	Mixing	Mix Pack A and Pack B in ratio 4: 1 by volume and stir thoroughly.
	Application	Air atomisation, airless, air assisted airless, brush or roller.
	Cleaning	V102 Cleaning Thinners.
	Thinning	V111 Medium Thinners.
	Typical Specification	Contact A & I Coatings for specific Specifications, dependant 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 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 & SAFETY	<p>All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Vitreflon 795 SR. Users should familiarise themselves with all the safety aspects of the product prior to usage.</p> <p>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.</p>
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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 on 1800 819 585.

March 2021 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.