VITREGUARD 840

TECHNICAL DATA SHEET

Two Pack Polysiloxane Coating

A&I COATINGS

A & I Coatings VITREGUARD 840 is a two- pack acrylic polysiloxane topcoat. This technology lowers the lifetime maintenance cost of coatings in a variety of environments, as it combines the benefits of epoxy corrosion resistance and 3rd generation polysiloxane technology, with the benefit of no isocyanate

USES & BENEFITS	• High capital cost structures • Bridges • Towers • Wind turbines • Chemical plants • Structural steel and roofing			
	1. Very good UV resistance & weathering performance 2. Utilizing technology that lowers the lifetime maintenance cost		3. Contains no isocyanates	
PHYSICAL PROPERTIES	Vehicle Type	Acrylic Polysiloxane		
	Hardener	Amine		
	Mixing Ratio	4 : 1 (Part A : Part B) by Volume		
	Pot Life	4 hours at 25°C (standard hardener) Less at higher temperatures.		
	Finish	Full Gloss		
	Theoretical coverage	10.2m2/Litre @ 75 microns theoretical		
	Volume Solids	Approx. 76% dependent on pigmentation		
	Recommended DFT	75 - 125µm DFT		
	Usual No. of Coats	1 – 2 Coats wet on wet		
	Colour	Unlimited colour range		
	Pigmentation	Various		
	Product Weight	1.4 Kg/L		
	Primer required	Yes		
	Solvent Resistance	Very Good		
	Flexibility	Adequate for any normal substrate movement		
	Bacterial Resistance	Excellent		
	Dry Heat	Excellent		
	Chemical Resistance	Very Good		
	Salt Spray Resistance	Excellent		
CURING DATA	Substrate Temp.(°C)	Surface Dry	Dry to Handle	Full Cure
	25°C	90 Mins	24 Hrs	7 Days
	Recoat Time	Flash off time: 2 – 6 minutes between coats at 25°C. If higher film build required, leave till solvent out of coating, normally 2 – 4 hours. If longer than 48 hours, sand lightly to achieve a mechanical bond.		

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APPLICATION DATA	Mixing	Mix Pack A and Pack B in ratio 4: 1 by volume and stir thoroughly with a power drill mixer.
	Application	Air atomisation, airless, air assisted airless, HVLP (A & I Coatings technical staff can assist in this area).
	Cleaning	V102 Cleaning Thinners
	Thinning	V111 Medium Thinners.
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.
	CFC and Cementitious Board	All surfaces to be structurally sound and free of contamination, particularly salt deposits. Ensure surface is dry and free of all sand, dust, oil, grease and moisture before application of primer – Vitrethane 555 or similar.
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 Safety Data Sheet for V840. 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 information, phone our Customer Service Centre.