VITREZINC 586

TECHNICAL DATA SHEET

Zinc Rich Epoxy Primer

A I Coatings VITREZINC 586 is a Two Pack Zinc Rich primer for use on blast cleaned steel to give excellent adhesion and a tough and abrasion resistant film. The rich zinc content in this coating will give good cathodic protection. V586 can be overcoated with a suitable intermediate and topcoat to achieve a very durable and protective coating system.

USES & BENEFITS	As a primer on blast cleaned steel for: • Structural and architectural steel • Power plants and oil refineries • Transport and rolling stock • Touch up primer for inorganic zinc coatings • Mines and Petro-chemical plant				
	Benefits 1. Suitable for repair of welded joints on zinc coated surfaces where abrasive blasting is not practical. 2. Fast recoat times 3. Subsequent coatings can be a choice of epoxy, polyurethane, acrylic or vinyl depending on area of use. Complies with AS 3750-9 Type 4. Complies with AS 2312 system guides 5. Australian owned and manufactured 6. Convenient packaging				
PHYSICAL PROPERTIES	Vehicle Type	Two component epoxy			
	Hardener	Polyamide			
	Mixing Ratio	3 : 1 (Part A : Part B) by Volume			
	Pot Life	8 Hrs @23°C (Do not use beyond pot life)			
	Finish	Flat			
	Theoretical Coverage	13.2 – 7.0 m² / Litre @ 40 – 75µm DFT (75-142µm WFT			
	Volume Solids	53 ± 2 %			
	Recommended DFT	50µm – 125 DFT			
	Usual No. of Coats	1 to 2			
	Colour	Grey			
	Pigmentation	Metallic Zinc			
	Product Weight	2.5 – 2.8 Kg/Litre (after mixing)			
ENGINEERING DATA	Abrasion Resistance	Good			
	Flexibility	Good			
	Solvent Resistance	Very Good			
	Water Resistance	Excellent			
	Durability	Excellent			
CURING DATA	Substrate Temp.(°C)	Surface Dry	Through Dry	Full Cure	Recoat Min
	10°C	30 Min	2.5 Hrs	7 Days	3 Hrs
	23°C	15 Min	1.5 Hrs	5 Days	2 Hrs
	40°C	6 Min	50 Min	3 Days	1.5 Hrs

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APPLICATION DATA	General	The temperature of the substrate should be min.3° C above the dew point of the air, and min 5°C as the curing process will be considerably retarded at lower temperatures. It is recommended to measure temperature and humidity in the vicinity of the substrate.
	Mixing	Mix Part A and Part B in a ratio of 3:1 by volume and stir thoroughly
	Application	Airless spray, Brush may be used for touching up. Pressure at Nozzle – 15 Mpa min (150 kp/cm²,2100 psi) Nozzle tip 0.38 – 0.53 mm (0.015 – 0.021´´)
	Cleaning	V122 Epoxy Thinners.
	Thinning	V122 Epoxy Thinners (Thinning not normally required).
SURFACE PREPARATION	Steel	Degrease the surface according to SSPC SP1 solvent cleaning. Round off rough welds and sharp edges and remove weld spatter and flux. Abrasive blast clean in accordance with AS 1627.9 to class 2½ minimum. Blast to achieve a 25–50-micron anchor profile. If profile is greater, additional film thickness is required for equivalent protection. Remove abrasive residue and dust from surface.
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 commences 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 8 L 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.
ADDITIONAL DETAILS	Suitable Intermediate Coats	V419, V416, V425
	Suitable Topcoats	V470, V630, V640, V650, V790, V840
HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for Vitrezinc 586. 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.