

Zinc Rich Two Pack Epoxy Primer

VITREZINC 586

Technical Data Sheet No.1001

PRODUCT DESCRIPTION: 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 over coated with a suitable intermediate and top coat to achieve a very durable and protective coating system.

TYPICAL APPLICATIONS:

As a primer on blast cleaned steel for:

- Structural steel in corrosive environments
- Power plants and oil refineries
- Touch up primer for inorganic zinc coatings
- Mines and Petro-chemical plants

TECHNICAL INFORMATION

Vehicle Type	: Two Component Epoxy			
Hardener	: Polyamide			
Pigmentation	: Metallic Zinc			
Mixing Ratio	: 3 : 1 by Volume			
Pot life	: 8 Hrs @23°C (Do not use beyond pot life)			
Finish	: Flat			
Colour	: Grey			
Dry time	:	10°C	23°C	40°C
	Surface dry	30 mins	15 mins	6 mins
	Through dry	2.5 Hrs	1.5 Hrs	50 mins
	Full cure	7 Days	5 Days	3 Days
Recoat time	:	3 Hrs	2 Hrs	1.5 Hrs
Primer Required	: No			
Theoretical Coverage	: 13.2 – 7.0 m ² / Litre @ 40 – 75µm DFT (75-142µm WFT)			
Volume Solids	: 53 ± 2 %			
Recommended DFT	: 75µm DFT (142µm WFT)			
Usual no. of coats	: 1			
Flexibility	: Good			
Abrasion Resistance	: Good			
Solvent Resistance	: Very Good			
Water Resistance	: Excellent			
Thinning and cleaning	: V122 Epoxy Thinners (Thinning not normally required)			
Durability	: Excellent			
Product weight	: 2.5 – 2.8 Kg/Litre (after mixing)			

MERITS:

1. Suitable for repair of welded joints on zinc coated surfaces where abrasive blasting is precluded.
2. Fast top coat time possible.
3. Subsequent coatings can be the choice of epoxy, polyurethane, acrylic or vinyl depending on area of use.

LIMITATIONS:

1. This product will chalk when continuously exposed to sunlight & UV light without topcoating.
2. DFT exceeding 90µm should be avoided.
3. 15 minute induction time is recommended.

APPLICATION DATA

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
Equipment : Airless spray, Brush may be used for touch up.
Pressure at Nozzle – 15 Mpa min(150 kp/cm²,2100 psi)
Nozzle tip 0.38 – 0.53 mm (0.015 – 0.021’’)

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 : 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 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.

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 **Vitre zinc 586**. Users should familiarize 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, or e-mail helpdesk@aicoatings.com

Visit our website for more products: www.aicoatings.com

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