VITREPHOS 560

TECHNICAL DATA SHEET

Two Pack Fast Cure Anticorrosive Primer

A & I Coatings VITREPHOS 560 combines a high loading of zinc phosphate in an air impermeable matrix of hard epoxy resin. Its excellent adhesion and its corrosion inhibiting "throw" renders VITREPHOS 560 very effective in the control of rust on mild steel substrates. It usually forms the primer or intermediate coat of a heavy-duty paint system in combination with a durable VITRETHANE Polyurethane topcoat finish.

USES & BENEFITS

• Oil rigs/refineries • Chemical plants • Galvanised steel • Hydro-electric installations • Waste/water treatment plants • Pulp and paper mills • Structural steel • Tank farms • Aluminium • Stainless steel

Benefits:

1. Can be used where fast dry to recoat and/or dry to handle times are desired
2. May be overcoated with suitable topcoats for better exterior performance

PHYSICAL PROPERTIES

Vehicle Type	Two component epoxy
Hardener	Polyamide
Mixing Ratio	4 : 1 (Part A : Part B) by Volume
Pot Life	6 hours at 23°C – do not use beyond pot life
Finish	Flat
Theoretical Coverage	9.8m2/Litre @ 50 microns theoretical
Volume Solids	49% by volume
Recommended DFT	Typically, 100µm DFT depending on specification
Usual No. of Coats	1 – 2 Coats wet on wet
Colour	White / Grey
Pigmentation	Zinc Phosphate
Product Weight	1.4 Kg/L
Abrasion Resistance	Very Good
Solvent Resistance	Excellent
Flexibility	Good
Dry Heat	Up to 90°C
Chemical Resistance	Excellent
Water Resistance	Very Good

CURING DATA

Substrate Temp.(°C)	Surface Dry	Dry to Handle	Full Cure	Recoat min
10°C	2 Hrs	8 Hrs	7 Days	8 Hrs
25°C	1 Hr	4 Hrs	3.5 Days	4 Hrs
40°C	30 mins	1.5 Hrs	1.5 Days	1.5 Hrs
Recoat max	3.5 days at 23°C. Abrade to secure mechanical bond after this			

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A&I COATINGS

APPLICATION DATA	Mixing	Pack A to be mixed thoroughly, then thoroughly mix Pack A with Pack B (Hardener)
	Application	Airless spray Gun of 0.46 – 0.69 mm at 15 Mpa (2100 Psi) nozzle pressure. Brush or roller for touch up.
	Cleaning	V122 medium or V102 Cleaning Thinners
	Thinning	Thin approx. 5-15% using V122 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. Oil, grease, dirt etc. must be removed with detergent and water blasting in accordance with AS 1627.1
	Aluminium, Galvanised Steel & Zincalume	Remove oil and grease with mild detergent or with solvent to AS 1627.1. Slightly roughen the surface by sanding or light whip blasting with a non-metallic abrasive.
	Steel	Degrease the surfaces and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to specified/recommended AS 1627-1 to 10 class Sa 2.5. Apply A & I Coatings VITREPHOS 560 Primer to specification.
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 working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including 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.
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 V560. 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-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