

VITREPHOS 560



Two Pack Fast Cure Anticorrosive Primer

Technical Data Sheet Number 128-1

PRODUCT DESCRIPTION	<p>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.</p>				
USES & BENEFITS	<p>This General industrial and Marine grade primer can be used for:</p> <ul style="list-style-type: none"> • 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 				
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> 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 	<p><u>Limitations</u></p> <ol style="list-style-type: none"> 1. Minimum temperature for satisfactory cure is 10°C. 			
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	9.8m ² /litre/50 microns DFT. (102µm WFT)			
	Volume Solids	49% by volume			
	Recommended DFT	Typically 100µm depending on specification			
	Usual No. of Coats	1 – 2 coats			
	Colour	White			
	Pigmentation	Zinc Phosphate			
ENGINEERING DATA	Abrasion Resistance	Very good			
	Flexibility	Good			
	Chemical Resistance	Excellent			
	Dry Heat Resistance	Up to 90°C			
	Solvent Resistance	Excellent			
	Water Resistance	Very good			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat min
	10 °C	2 Hrs	8 Hrs	7 Days	8 Hrs
	23 °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.			

APPLICATION DATA	Mixing	Pack A to be mixed thoroughly, then thoroughly mix Pack A with Pack B (Hardener) prior to use.
	Application	Airless spray Gun of 0.46 – 0.69 mm at 15 Mpa (2100 Psi) nozzle pressure. Brush or roller for touch up.
	Cleaning	Use V122 Medium Thinners or V102 Cleaning Thinners
	Thinning	Thin approx. 5-15% using V122 Medium Thinners
	Typical Specification	Please consult A & I Coatings Technical team for particular specifications.
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 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 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	All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Vitrephos 560. Users should familiarise 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 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.

May 2020 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.