

VITRESET 419



Surface Tolerant Multi Purpose Epoxy Coating

Technical Data Sheet Number 1031

PRODUCT DESCRIPTION	A & I Coatings VITRESET 419 is a high performance surface tolerant direct to metal (DTM) or intermediate coat epoxy that gives excellent adhesion and corrosion barrier properties. The product exhibits fast cure at ambient and low temperatures and complies with AS3750.1 and AS3750.14					
USES & BENEFITS	<p>Long term protection for steel & Concrete for a wide range of atmospheric industrial applications as well as immersion service:</p> <ul style="list-style-type: none"> • Factories/Warehouses • Pulp and paper plants • Waste water treatment plants • Concrete walls and floors • Chemical plants • Tank exteriors • Food processing plants and abattoirs • Bridges and Marine Environments • Aircraft hangars • Pulp and paper mills 					
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> 1. Excellent barrier to water and oxygen 2. Excellent adhesion to wide range of Epoxies and Zinc Rich primers 3. Excellent flexibility 			<p><u>Limitations</u></p> <ol style="list-style-type: none"> 1. Not recommended for immersion in acids, alkalis or solvents 2. Not to be applied to thermoplastic coatings 3. Will chalk and discolour when continuously exposed to sunlight & UV light. The chalking in no way impairs the coating performance 		
PHYSICAL PROPERTIES	Vehicle Type	Two component epoxy				
	Hardener	Amine				
	Mixing Ratio	4:1(Part A : Part B) by Volume				
	Pot Life	Approx. hours@20°C				
	Finish	Semi-Gloss				
	Theoretical Coverage	4 m ² /L @ 200µm/coat. (DFT)				
	Volume Solids	80%				
	Recommended DFT	125-250 microns				
	Colour	Unlimited colour range				
	Pigmentation	Various				
	Usual No. of Coats	1-2 (dependant on substrate)				
	VOC	197g/L				
	Product Weight	1.81kg/Litre Pack A, 0.97Kg/L Pack B				
	Primer Required	Can be used direct to metal or concrete substrate or over specific primers. Contact A & I Coatings technical team for specifications				
ENGINEERING DATA	Abrasion Resistance	Excellent				
	Chemical Resistance	Acid – Good. Alkali – Good. Contact A & I Coatings for specific recommendations				
	Dry Heat Resistance	Up to 120°C				
	Solvent Resistance	Good				
	Exterior Durability	Excellent when suitably topcoated				
CURING DATA	Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat Min	Recoat Max
	0 °C					
	10 °C	8 Hrs	18 Hrs	12 Days	8 Hrs	7 Days
	25 °C	4 Hrs	10 Hrs	7 Days	4 Hrs	4 Days
	40 °C	2 Hrs	8 Hrs	7 Days	2 Hrs	2 Days

APPLICATION DATA	Mixing	Power stir Pack A, then blend with Pack B to correct ratio. Power stir thoroughly for at least two minutes prior to use. Only mix required amount and use within the stated pot life. Thin if required for flow. In cool weather, stir and let stand for five minutes then restir.
	Application	Apply by conventional spray or airless spray (0.213 – 0.321). For brush and roller use a 10 – 13mm nap roller or brush, taking care to apply at specified coverage rate.
	Cleaning	Use V122 Epoxy Thinners.
	Thinning	If necessary thin with V122 Epoxy 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.
	Repaints	All surfaces should be free from oil, grease, loose paint and other contaminants. For unusual substrates, a test patch is recommended before use.
	Steel	Degrease the surfaces and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to specification and apply A & I Coatings specified primer. Please consult A & I Coatings Technical team for particular specifications.
	Concrete	New concrete should be allowed to cure for 28 days prior to coating. Contact A&I Technical for further information.
	Galvanised Steel	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.
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.
PACKING & STORAGE	Packing	Available in 10L kits. For availability of other sizes, contact A & I Coatings.
	Storage	12 months if stored in sealed containers away from heat & 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 VITRESET 419. 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, or e-mail helpdesk@aicoatings.com

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

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