

Two Pack Surface Tolerant Epoxy VITRESET 419

PRODUCT DESCRIPTION: A & I Coatings VITRETHANE 419 is a high solids, high build, surface tolerant epoxy coating. Its excellent adhesion and barrier properties render Vitreset 419 very effective in the protection of concrete and steel infrastructure. It usually forms the primer or intermediate coat of a heavy-duty paint system in combination with durable VITRETHANE or VITREFLON topcoat finishes. May also be left as the final coat although it will chalk on external exposure.

TYPICAL APPLICATIONS:

This General industrial and Marine grade primer can be used for:

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

TECHNICAL INFORMATION

Vehicle Type	: Two component epoxy.			
Hardener	: Polyaminoamine.			
Pigmentation	: Various including aluminium and micaceous iron oxide			
Mixing Ratio	: 4 : 1 (Part A : Part B) by Volume.			
Pot life	: 2 hours at 23°C – do not use beyond pot life.			
Finish	: Satin.			
Colour	: Australian Standards Colours, RAL			
Dry time	:	10°C	23°C	40°C
	Touch dry	10 Hrs	4 Hrs	1.5 Hr
	Through dry	36 Hrs	16Hrs	8 Hrs
	Full cure	14 Days	7 Days	3 Days
Recoat time (minimum)	:	24 Hrs	8 Hrs	4 Hrs
Recoat time (maximum)	: One week at 23°C. Abrade to secure mechanical bond after this.			
Theoretical Coverage	: 6.2m ² /litre/125 microns DFT. (162µm WFT).			
Volume Solids	: 77% ± 2 % by volume.			
Recommended DFT	: Typically 125 - 250µm depending on specification.			
Usual no. of coats	: 1 – 2 coats.			
Flexibility	: Good.			
Abrasion Resistance	: Very good.			
Chemical Resistance	: Excellent.			
Heat Resistance	: Up to 90°C (Dry Heat).			
Solvent Resistance	: Excellent.			
Water Resistance	: Very good.			
Thinning and cleaning	: Thin approx 5-10% using V122 Epoxy Thinners (use also for cleaning)			
Durability	: Excellent when suitably top coated.			

MERITS:

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.

LIMITATIONS:

1. Minimum temperature for satisfactory cure is 10°C.

APPLICATION DATA

- Mixing** : Pack A and Pack B to be mixed thoroughly, then thoroughly mix Pack A with Pack B (Hardener) prior to use.
- Equipment** : Airless spray Gun of 0.46 – 0.69 mm at 15 Mpa (2100 Psi) nozzle pressure.
Brush or roller for touch up.

SURFACE PREPARATION:

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 and 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 Structures

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 VITRETHANE 419** Primer to specification.

Please consult **A & I Coatings** Technical team for particular specifications.

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 10L 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 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 Vitrethane 419. 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 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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