VITRESET 416 MIOX

TECHNICAL DATA SHEET

Two Pack High Build Epoxy Coating

A&I COATINGS

A & I Coatings VITRESET 416 is a high-performance epoxy intermediate/base coat that gives excellent adhesion and corrosion barrier properties. Micaceous Iron Oxide coatings are renowned for their ability to stand the test of time and withstand both moisture ingress and substrate movement to ensure long-term asset protection.

USES & BENEFITS	Long-term protection to steel for a wide range of industrial applications: • Factories/Warehouses • Pulp and paper plants • Chemical plants • Tank exteriors • Food processing plants and abattoirs • Effluent Water treatment plants • Bridges and Marine Environments • Aircraft hangars and Power Transmission.	
	1. Australian made and owned 2. Meets the requirements of AS 2855 MIO pigmentation. 3. Complies to AS 3750.14: 1997 4. Conforms to AS 2312: 2014 Systems Guides 5. Adequate flexibility for normal substrate movement 6. Low VOC 235 grams per mixed litre	
PHYSICAL PROPERTIES	Vehicle Type	Two Component Epoxy
	Hardener	Amine
	Mixing Ratio	4:1 (Part A: Part B) by Volume
	Pot Life	4 Hrs @20°C (Do not use beyond pot life)
	Finish	Low Gloss
	Theoretical Coverage	3.5 m² / Litre/ 200µm DFT
	Volume Solids	70 %
	Recommended DFT	100-300 µm DFT
	Usual No. of Coats	1 – 2 Coats
	Colour	Miox Grey
	Pigmentation	MIOX
	Product Weight	Pack A 2.25 Kg/L; Pack B 0.944Kg/L
	Primer required	Yes, dependent on substrate. Contact A & I Coatings technical team for specifications.
ENGINEERING DATA	Abrasion Resistance	Excellent
	Solvent Resistance	Good
	Dry Heat	Good Up to 120°C
	Chemical Resistance	Good
	Durability	Excellent when suitably top coated

CURING DATA	Substrate Temp.(°C)	Surface Dry	Full Cure	Recoat Min
	10°C	4 Hrs	10 Days	7 Hrs
	25°C	3 Hrs	7 Days	4.5 Hrs
	40°C	2 Hrs	5 Days	1.5 Hrs

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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 the 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 (0.415 – 0.519). Brush and roller is not recommended but for small touch up work use a 10 – 13mm nap roller or brush, taking care to apply at specified coverage rate.
	Cleaning	V122 Epoxy Thinners
	Thinning	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.
	Repainting	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.
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 course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including and delays.
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 and moisture. Subject to re- inspection thereafter.
ADDITIONAL DETAILS	Suitable Primer	V560, V586
	Suitable Topcoat	V470, V630, V640, V650, V790, V840

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HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first rea Safety Data Sheet for V416. 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