

VITRESET 112 MIOX

Two Pack High Build Epoxy Coating

Technical Data Sheet Number 123



PRODUCT DESCRIPTION	<p>A & I Coatings VITRESET 112 MIOX 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.</p>																																														
USES & BENEFITS	<p>Long term protection to steel for a wide range of industrial applications</p> <ul style="list-style-type: none"> ▪ Factories/Warehouses ▪ Chemical plants ▪ Food processing plants and abattoirs ▪ Bridges and Marine Environments ▪ Pulp and paper plants ▪ Tank exteriors ▪ Effluent Water treatment plants ▪ Aircraft hangars <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <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. Can be used for immersion in water or sewerage 4. Adequate flexibility for normal substrate movement </td> <td style="width: 50%; padding: 5px;"> <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 when continuously exposed to sunlight & UV light. The chalking in no way impairs the coating performance 4. Temperature at time of application should be at least 10°C 5. Humidity should be less than 85% </td> </tr> </table>		<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. Can be used for immersion in water or sewerage 4. Adequate flexibility for normal substrate movement 	<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 when continuously exposed to sunlight & UV light. The chalking in no way impairs the coating performance 4. Temperature at time of application should be at least 10°C 5. Humidity should be less than 85% 																																											
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CURING DATA		Substrate Temp.(°C)	Touch Dry	Dry to Handle	Full Cure	Recoat Min
		10 °C	14 Hrs	18 Hrs	7 Days	7 Hrs
		25 °C	4 Hrs	10 Hrs	7 Days	4.5 Hrs
		40 °C	1.5 Hrs	3 Hrs	7 Days	1.5 Hrs
The maximum recoat time is six months. Surface must be free of any contamination or chalking.						
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). 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	Use SV110 Cleaning Solvent			
		Thinning	If necessary thin with SV103 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 ISO 12944-4. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent cleaning to SSPC SP1. 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.			
		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.			
		Galvanised Steel	Remove oil and grease with mild detergent or with solvent to SSPC SP1. 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. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, (including delays).			
PACKING & STORAGE		Packing	Available in 10L kits. For availability of other sizes, contact A & I Coatings.			
		Storage	24 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 112. Users should familiarise themselves with all the safety aspects of the product prior to use. 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, or e-mail helpdesk@aicoatings.com

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

July 2022 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.
