

ALPHA PRIME MIO®

One Component, Water Borne Epoxy
Surface Sealing Anti Corrosion Primer

Description

ALPHA PRIME MIO® is water borne epoxy primer whose rheology has been engineered to wet out and seal tight rust. ALPHA PRIME MIO® penetrates deep into tight rust forming an effective vapour barrier thereby effectively arresting the corrosion process. The cured membrane is tough, durable, extremely flexible and totally seamless. The addition of Micaceous Iron Oxide and proprietary high performance sacrificial fillers make this coating product surface tolerant and compatible with most coal tar epoxies.

Performance Specifications

- Single Component
- Heat Resistant to 110 deg C
- Non-Flammable
- Odourless
- Surface Tolerant
- VOC Compliant/Environment Friendly
- Ease of Application/Installation
- Easily re-coatable

Recommended Applications

- Offshore and Marine Structures
- Fresh Water and Salt Water Ballast Tanks
- First Aid Repairs and as a Tie Coat

Surface Preparation-Carbon Steel

- Minimum surface standard of SP2 or ST2 required. Surface should be free of old paint, scale and loose rust. Well adhering paint can be overcoated
- Power tool all weld seams and ensure weld slag is totally removed. Grind down all sharp edges and burn marks.
- Ensure fresh water wash down, to remove excess salts, and proper drying of surface prior to commencement of coating works.

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Technical Data

Theoretical Spread Rate	8sqm/litre at 100 microns DFT
Film Thickness	100 microns DFT
Application Temperature	Between 10 deg C and not exceeding 60 deg C
Application Required	1 coat at a DFT of between 75-100 microns
Dry Times	2 hr to touch at 28 deg C and 4 hrs to recoat
Curing Time (Max.Hardness)	1 Day
Pot Life	Not Applicable
Viscosity	

Mixing

Thoroughly mix to a uniform consistency with a power drill for about 5 minutes. Do not open pails until ready to use. Reseal pails when not in use

Application Equipment/Guidelines

For first aid repairs and small areas ideal method will be by rollers or brushes. When large areas are involved an airless spray pump with a minimum turn down ratio of 45:1 is recommended. Pump operating pressure will vary between 80 to 90 psig. Tip sizes will vary between 17 and 19. Ensure surface temperature is always at least 3 deg C above dew point. Ensure surface is free of condensation prior to commencing coating works. Forced ventilation must be provided for at least 24 hrs after coating application to ensure complete curing before ballasting tanks. **Thinning** of product is **strictly prohibited**. Such thinners contain flammable VOCs that undermine the non flammability rating of our product. Thoroughly flush spray equipment with water immediately after use. Clean all tools immediately after use with water.

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Packaging and Storage

Supplied in Tri-Lock Pails either as 20 kg packs or 5kg repair kits. If stored at 28 deg C in a ventilated warehouse shelf life of 2 years can be expected.

Non-flammable, Non-Hazardous, Non-HAZMAT.

No shipping restriction required.

Colours

Standard colours are Haze Blue and Grey. Custom colours are available with a minimum order of 1000 kgs.

Limitations

- a) **Not recommended to be used with cathodic protection**

Disclaimer

Alpha Omega Coatings P/L products are expressly warranted to meet applicable technical and quality specifications. The technical information contained in this bulletin is accurate at the date of issuance but is subject to change without prior notice. No warranty of accuracy is hereby given or implied. The User must review suitability of product and the specifics relating to application before ordering. Alpha Omega Coatings P/L assumes no responsibility for coverage, performance or injuries resulting from handling or use and **LIABILITY, IF ANY, SHALL BE LIMITED TO PRODUCT REPLACEMENT.** Under no circumstances will Alpha Omega Coatings P/L be liable for consequential damages. Alpha Omega Coatings P/L disclaims all other warranties of merchantability and fitness for a particular purpose.

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Precautionary Information

Although **ALPHA PRIME MIO®** is a non-flammable and odourless product it is recommended that all safety precautions and procedures described in OSHA regulations for work in confined spaces be strictly observed. This would include but may not be confined to the following:

- 1) Provide forced ventilation prior to commencement, during and after completion of coating works. Air quality monitoring to be carried out during all stages of work to ensure safe O₂, H₂S, CO, SO₂, and combustible gases levels are maintained.
- 2) Appropriate PPE is issued to all personnel involved in the coating works
- 3) See MSDS for complete precautionary and disposal information

If instructions and warnings cannot be strictly followed, do not use this product

*Special Notes

1) **ALPHA PRIME MIO®** can be used on almost all surfaces including metal, concrete, masonry and GRC.