

ALPHA RUSTGUARD®

Single Component, Air Curing, Terpolymer.
Exposed Multi Purpose Coating System

Description

ALPHA RUSTGUARD® is a single component, **water based**, terpolymer liquid membrane system. It cures to form a tough and flexible protective membrane that is waterproof thereby providing good corrosion protection. **ALPHA RUSTGUARD®** is seamless, durable, UV-resistant and bonds strongly to the applied metal or concrete substrates.

Performance Specifications

- Single Component
- Water Based- No Thinners Required
- Non Hazardous- **No** Isocyanates, Tar or Toxic Solvents. **Non Flammable**
- ECO friendly- VOC compliant
- Low Odour- No lingering chemical or solvent smell
- Total Adhesion-Adheres strongly to substrate
- UV Resistant- Resists High Levels of UV
- Long Term Flexibility
- Cost Effective Corrosion Control
- Trafficable- Light Traffic

Recommended Applications

- As a multi purpose coating system for general plant equipment maintenance
- Exposed metal surfaces and structures
- Decks and Ramps
- Exposed concrete, gable end walls

Surface Preparation- Metal Surfaces.

SSPC-SP-3, St 3 Power Tool Cleaning - Removal of all rust scale, mill scale, loose paint, and loose rust to the degree specified by power wire brushes, power impact tools, power grinders, power sanders or by a combination of these methods. The substrate should have a pronounced metallic sheen and also be free of oil, grease, dirt, soil, salts and other contaminants. Surface should not be buffed or polished smooth.

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Technical Data

Theoretical Spread Rate	5sqm/litre at 150 microns DFT
Film Thickness	300 microns DFT
Service Temperature	Between 20 deg C and not exceeding 70 deg C
Application Required	2 coat at a DFT of between 250-300 microns
Dry Times	2 hr to touch at 28 deg C and 4 hrs to recoat
Curing Time (Max.Hardness)	1 Day
Tensile Strength	16.2-16.5 N/mm2
Elongation at break	400%
Accelerated Weathering	Passed 1000 hrs no defects

Mixing

Thoroughly mix to a uniform consistency with a power drill for about 3 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.

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** before product dries.

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Packaging and Storage

Supplied in Tri-Lock Pails either as 18 litre packs or 5litre 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

Grey, White, Red, Green, Light Blue. Other colours available but is subject to a minimum order of 500 litres

Limitations

- a) Not recommended to be used with cathodic protection.
- b) Not suitable for immersion applications
- c)

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 RUSTGUARD®** 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 RUSTGUARD®** can be used on almost all surfaces including metal, concrete, masonry and GRC.