

# Marmoran

The Architects' Choice

## RED OXIDE STEEL PRIMER **WB**

*DIRECT TO METAL/STEEL WATER BASED ACRYLIC PRIMER*



### PRODUCT INFORMATION

- For interior & exterior use onto suitably prepared metal substrates
- Specially formulated to prime directly to steel
- Contains anti corrosive pigments to arrest existing rust and prevent the formation of rust nodules on steel surfaces, thereby affording long life protection to the steel structure
- Inherent flexibility prevents cracking and flaking
- Superior Alkali Resistance, will not blister
- Excellent adhesion
- Excellent over coating properties
- Rapid drying properties
- Eco friendly, water based, LOW VOC LEVEL [16g/L]
- Supplied ready to use



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PRODUCT CODE MP1A

PRODUCT DATA INFORMATION SHEET

### USES

- suitable for interior and exterior use on a wide variety of suitably prepared steel and metal substrates.

### TESTED TO NATIONAL & INTERNATIONAL STANDARDS BY THREE INDEPENDENT LABORATORIES TEST STANDARDS

<b>ISO 1519</b>	Exhibits outstanding flexible qualities, yet hard and durable to withstand the stresses of natural expansion and contraction of the substrate
<b>ASTM E96</b>	Controlled water vapour permeability allows the walls to "breathe" to maintain resistance to water ingress and prevent spalling, delamination, algae and dirt retention
<b>ISO 2409</b>	Superior adhesion to all suitably primed substrates
<b>SABS 170</b>	Excellent resistance to alkali salts to prevent coating delamination and adhesion
<b>SABS 1586</b>	Ability to withstand high temperatures with no signs of delamination, blistering or loss of adhesion

### GENERAL CONSIDERATION REGARDING APPLICATION

#### SITE SURVEY REPORTS

Site Survey Reports and Records are to be completed prior to product application, during the application and on completion of the project so that the relevant documentation is available for processing the Guarantee.

#### CLIMATIC CONDITIONS

Adequate protection should be provided against rain and sub-zero temperatures for a period of not less than 24 hours after application. The coating should never be applied during adverse weather conditions, or on wet surfaces. In hot climates, the coating should be applied during the morning and late afternoon hours and if possible away from direct sunlight. Variations in temperatures will affect drying times.

#### APPLICATION CRITERIA

- Please refer to our notes on **BEST PRACTICES FOR SURFACE PREPARATION**.
- **Inspect the substrate:** The plaster substrate must conform to a smooth and even finish. This can be achieved with a fine wood float or we recommend a steel float finish.
- The product must be applied in strict accordance to the Manufacturer's System and Specification.
- Adequate time should be allowed for it to cure [confirm a moisture reading of <15%: this may take from 7-21 days, depending on weather conditions] prior to the application of any specialised, semi-specialised coating or paint.
- **Prepare the substrate** appropriately to ensure that the surface is clean, dry, sound and free of defects.
- Ensure that the **scaffold** be positioned at a comfortable distance away from the surface so that application technique is not compromised (400-600mm).
- **Sealing of expansion/control joints** - we recommend the use of sealant compatible with the specified Marmoran product.
- **Check** spread rates & tools.
- Supplied **ready for use**, do not thin. Mix with a flat paddle before & during application. **Clean with water**

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### APPLICATION METHOD

Application tools: brush, roller or spray.

### NEW WORK

Prepare substrate by removing all loose and friable particles. Stop and fill appropriately. Ensure that the surface is clean, dry and sound and free of defects. Apply 1 coat of Marmoran Heatgard Metal Primer, at a spread rate of 8 - 10 m<sup>2</sup> / L / coat and allow to cure. On porous surfaces thin first coat 10% with water and follow with a second coat un-thinned. **Wet Film Thickness:** 125-100 µ per coat, **Dry Film Thickness:** 45-36 µ per coat.

### REDECORATION

Prepare by removing all loose and flaking paint, dirt, grease and grime. Ensure that the surface is clean, dry, sound and free of defects. Prime exposed areas appropriately. Proceed as for new work.

### PRODUCT DATA

**Composition** Anti-corrosive and inert pigments dispersed in an acrylic resin.

**Solvent Type** Water

**Solids** **Volume** 36% ± 2% **Mass** 48% ± 2%

**VOC LEVEL** 16g/L 2% **The GREEN SEAL STANDARD is 50g/L [3.8%] for flat coatings.**

**Drying Times** **Surface Dry:** 2 hours **Hard Dry:** 12-16 hours **Over coating Time:** 12-24hours  
**@ 25 deg C, 65% RH** Higher temperatures will accelerate the drying times (approximately halved for every 10 deg C increase) Lower temperatures will retard the drying times (approximately doubled for every 10 deg C decrease)

**Theoretical Spread rate** 8–10 m<sup>2</sup> L / coat  
This figure is indicative, and subject to applicator skill and substrate type and condition. Actual spread rates must be determined by the Applicator.

**Shelf life & Storage** 6 - 8 Months in unopened containers. Store in a cool dry and well ventilated place away from excessive heat or an open flame. Do not allow to freeze.  
**Transport** Non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996)

**Handling & Safety** This product is water based and non-toxic. Keep out of reach of children. It does contain chemicals that may be irritants to mammalian tissue. Appropriate protective clothing must be worn. Protect eyes and skin from exposure. If the product is being sprayed, ensure adequate ventilation and ensure the use of proper ventilated masks. Wash spillages immediately with water. Do not induce vomiting if swallowed. Consult a physician if irritation of skin persists or if product is ingested. Gather up environmental spillages and dispose of in accordance with regulations of the local authorities.

**Disclaimer** All information contained herein is given in good faith, based on our specialised knowledge and experience. We reserve the right to effect changes to product and specification alike in the interest of product development and improving technology.