

Marmoran

The Architects' Choice

RED OXIDE STEEL PRIMER

A QUICK DRYING ANTI-CORROSIVE PRIMER FOR THE PROTECTION OF STEEL AND OTHER METAL SURFACES.



PRODUCT FEATURES AND BENEFITS

- For interior and exterior degreased rust-free Mild Steel
- An anti-corrosive primer suitable for use in the harsh urban/ industrial environment
- Excellent adhesion
- Excellent application properties
- High hiding power and film build
- Can be overcoated with a wide range of Marmoran Water and Solvent Based Products

MARMORAN GUARANTEE

MARMORAN PRODUCT GUARANTEE is issued on condition that the system is applied by a Marmoran Licensed Applicator in strict accordance to the full specification and is accepted and signed by the relevant parties. Due to the demand for the highest standard of application and finish, it must be applied by a trained applicator that is skilled and experienced.

Marmoran Red Oxide Quick Steel Primer is a solvent based anti-corrosive metal primer.

COLOUR

- Red Oxide

PACKAGING

- 1, 5 & 20 L

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.

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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. Even if the weather seems fit, there may be condensation if the temperature of the substrate is at or below the dew point (temperature at which the atmospheric humidity condenses e.g. as dew) the product should only be applied when the temperature of the substrate is at least 2 deg C above dew point. 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. (400-600 mm).
- Sealing of expansion/control joints: we recommend the use of sealant compatible with the specified Marmoran product, a suitable Marmoran Primer may then be applied directly over these joints.
- We strongly recommend the use tape joints to create paneling and so to avoid dry joints.
- Batch control it is the responsibility of the contractor to ensure colour consistency. It is recommended that sufficient material to complete the project be ordered where possible to eliminate possible colour variation. Where this is not practical, sufficient material to complete an elevation should be ordered with any excess used as the first coat on the subsequent elevation.
- Check spread rates, tools and patterning.
- The product is supplied ready for use. DO NOT THIN. Clean with water.

APPLICATION METHOD

NEW SURFACES

The substrates must be clean, dry and sound and free of contaminants. Surfaces need to be abrasively degreased with Zinc Cleaner. This process must be continued until a water-break free surface has been achieved. Apply one coat of Red Oxide Steel Primer by Brush, Roller or Airless Spray. Allow 6 hours of drying. Is ready to use, do not thin. The entire surface can now be coated with a Marmoran water based or solvent based topcoat.

REDECORATION

The substrates must be clean, dry and sound. Remove all loose and flaking paint. Remove all rust by mechanical or abrasive blast cleaning back to bright metal. Spot prime using Red Oxide Steel Primer to the bare and repair areas then apply one coat. Red Oxide Steel Primer to the entire surface allowing 6 hours drying. The entire area can now be coated with a suitable water based or solvent based Marmoran topcoat

PRECAUTIONS

For detailed safety information please refer to Material Safety Data Sheet. Keep out of reach of children, flames and sparks. This product contains very high levels of VOC. Only use in well ventilated areas and do not eat, drink or smoke whilst using this product

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PRODUCT DATA

Solvent Type

Solvent

Solids

Volume Approx. 68%

VOC Content

Very High VOC content more than 50%

Application

Conditions Surface Temperatures at 23°C

Relative

Humidity 50%

Drying Times

6 hours to dry before over coating

@ 25 deg C,

Higher temperatures will accelerate the drying times (\pm halved for every 10 °C

increase)

65% RH

Lower temperatures will retard the drying times (\pm doubled for every 10 °C

decrease)

Theoretical Spread rate

12,4 m²/litre @ 55 μ m DFT

Practical Spread rate

8,7 m²/litre @ 55 μ m DFT This figure is indicative, and subject to applicator skill and substrate type and condition.

Actual spread rates must be determined by the Applicator.

Recommend WFT & DFT

74-88 μ m WFT depending on the surface porosity, profile and application

method

50-60 μ m DFT depending on the surface porosity, profile and application method

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

HAZARDOUS. CLASS 3. Refer to the Material Data Sheet.

Handling & Safety

This product is based on a proprietary acrylic resin dissolved in toluene.

Toluene is an extremely toxic solvent and is extremely

flammable. Extreme care must be exercised when using this product.

Appropriate protective clothing must be worn. Protect eyes and skin from

exposure. If the product is being sprayed, ensure the use of aerated

ventilation masks. Cured spillages should be gathered up and disposed of in

accordance with local authority regulations. Do not induce vomiting if

swallowed.

Disclaimer

Consult a physician if irritation of skin persists or if product is ingested. 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.