

Marmoran

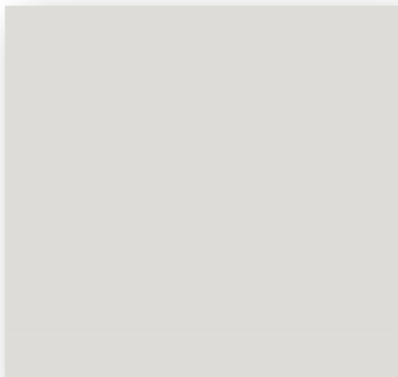
The Architects' Choice

RUST CONVERTOR

A HIGHLY EFFECTIVE RUST CONVERTER AND PRIMER.



PRODUCT INFORMATION



- Rust Converter is an acrylic water based coating that reacts and converts rust to a stable black protective coating that serves as an excellent primer and rust neutralizer
- The treatment allows the surface to be easily overcoated
- It reduces time, labour and scaffolding costs of rust removal.
- Ideal for iron and steel surfaces whose rust cannot be fully removed
- An excellent barrier to water vapour, oxygen and Carbon Dioxide
- Eco friendly, water based, LOW VOC LEVEL [24g/L]
- Made to order, supplied ready to use.
- Brush, Roller & Spray application.



MARMORAN GUARANTEE

MARMORAN 10 YEAR 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.

SA National Enquiries: 0861 627 266

www.marmoran.co.za

B-BBEE COMPLIANT

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PRODUCT CODE RC001

PRODUCT DATA INFORMATION SHEET

FEATURES & BENEFITS

- No more scraping or sandblasting. Simply remove loose rust and then apply product.
- Neutralizes Rust and converts it to a tough black primer in one easy step.
- Prevents Future Rusting. Seals out moisture and other outside elements.
- Fast Drying.
- Excellent Primer. Treated surfaces can be painted over with an oil-based paint.

TESTED TO NATIONAL & INTERNATIONAL STANDARDS BY THREE INDEPENDENT LABORATORIES.

TEST STANDARDS

| | |
|-------------------|---|
| ASTM D4828 | Easily cleaned up to 10,000 scrubs without exhibiting wear or signs or loss of adhesion |
| CGR/R+H | Superior quality pure acrylic resin ensures resistance to dirt pickup |
| ASTM 4060 | Tough & durable with high resistance to abrasion & scuffing |
| ASTM G53 | UV resistant to prevent excessive chalking, colour change, flaking or peeling |
| ISO 1519 | Exhibits outstanding flexible qualities, yet hard and durable to withstand the stresses of natural expansion and contraction of the substrate |
| ASTM E96 | Controlled water vapour permeability allows the walls to "breathe" to maintain resistance to water ingress and prevent spalling, delamination, algae and dirt retention |
| ISO 2409 | Superior adhesion to all suitably primed substrates |
| SABS 170 | Excellent resistance to alkali salts to prevent coating delamination and adhesion |
| SABS 1586 | Ability to withstand high temperatures with no signs of delamination, blistering or loss of adhesion |
| SABS 146 | Excellent impact resistance and tensile strength |
| ISO 12040 | Exceptional weathering, water repellency and ultraviolet resistant properties |

USES

- Steel door and window frames.
- Garden furniture.
- Roofs, gutters and steel trusses.

COLOUR

- Available only in clear (milky white)

PACKAGING

- 5L, 20L containers

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. 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.

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APPLICATION CRITERIA

- Please refer to our notes on **BEST PRACTICES FOR SURFACE PREPARATION**.

APPLICATION METHOD

- Stir well and shake before use.
- To avoid contamination decant required amount into a clean container before using.
- Apply 2 thick coats of **Marmoran Rust Converter** with a brush.
- The converted rust will dry to a blue / black finish.
- After at least 12 - 15 hours of curing time, apply 2 coats of appropriate **Marmoran Metal Primer**.

SPECIFICATION FOR MARMORAN RUST CONVERTOR

Surfaces should be clean and free from surface dirt, dust and grease. Light to medium rusted steelwork must be properly prepared by wire brush or power tools (SSPC SP3) to remove loose millscale and flaky rust or paint, which is not sound or tightly adhered. Weathered steel should be high pressure water or wet abrasive blasted to SSPC-SP6. Best results are achieved if some bright metal (10%) is showing in the rusted area.

PRODUCT DATA

Composition Acrylic polymer & Rust convertor additive.

Solvent Type Water

Solids **Volume** 30% ± 2% **Mass** 33% ± 2%

VOC LEVEL 24g/L [1.27 %]

Drying Times **Surface Dry:** 2 -3 hours **Hard Dry:** 8 hours

@ 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 **10 – 12 m² per litre** @ 25 to 30 microns D.F.T.

Spread rate This figure is indicative, and subject to applicator and substrate type and condition.

Overcoating **5hrs for Waterbased paints, and 16 hrs for other paint systems**

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.