

RUSTOBLOCK™ S-100

Solvent borne Single Pack Anti-corrosive Primer for Metal and
Protective Coating for Concrete

INTRODUCTION:

RustoBlock™ S-100 is a single pack latest innovative product based on advanced resin technology. It is developed as a multifunctional coat, with application as anti-corrosive primer for metals containing high levels of anti-corrosive pigments. **RustoBlock™ S-100** Primer accommodates for maximum weather exposure that is experienced by metal sheets, roofing decks, equipment etc. Highest quality resins are combined with white inorganic pigments and fillers resulting in superior durability and corrosion protection and fire retardancy.

Unique Features:

- Superior flexibility, hardness and solvent resistance.
- Superior freeze/thaw resistance.
- Non-toxic and environmental friendly product.
- Dirt pick-up resistance.
- Excellent adhesion and sealing properties to many other substrates.
- Easy application by spray, brush, or roller-thus lowering application costs.
- Low toxicity and odor.

USES:

Primer:

RustoBlock™ S-100 is used for priming of substrate before topcoats. The cathodic protection ingredient chemically stops the cause of rust by preventing the iron from reacting with the oxygen in the air. Primer incorporates higher levels of ingredient than normally required for added resilience to the levels electrolysis experienced on metal surfaces.

RustoBlock™ S-100 is designed for use on metal substrates and components where high levels of corrosion resistance are required. It has found considerable use in the maintenance and restoration industries. Some alternative uses include application as a mist primer for adhesion of top-coats to new galvanized metal, a shop primer for new construction steel and for the priming of bare corroded steels on previously painted surfaces.

Direct to Metal:





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RustoBlock™ S-100 is suited as stand-alone coat for corrosion protection and top coat. Being UV stable, it can be used for exterior application.

Concrete and Inorganic Substrate:

RustoBlock™ S-100 is suited as stand-alone coat for concrete and other cementitious, non-cementitious surface for leakage protection, uv protection and carbon dioxide/acidic gas protection. Being UV stable, it can be used for exterior application.

ADVANTAGES:

SIMPLE PACKAGE: Material is pre-packaged in a convenient and easy to handle sizes.

EASY TO USE: Brush, roller or spray applied.

ADHESIVE: Excellent adhesion to sound steel substrates.

SAFE: Non-toxic when cured.

OVERCOATING: Easily over coated with other specialist membranes in the Multichem range to provide further protection and aesthetic quality.

TYPICAL CHARACTERISTICS:

Nature	Single Component Material
Colour	Red, black, green, yellow and custom colours
Application time at 30°C	20-30 minutes
Surface dry time at 30°C	20 to 30 minutes
Hard dry time at 30°C	8 to 10 hours
Complete curing time at 30°C	3 days
Recoat ability time at 30°C	4 to 5 hours
Finish	Smooth
Dry film thickness	25-50 µm in smooth surface)
Coverage	100 ft ² /lit for 25 micron or 80 ft ² /kg for 25 micron
Packing	1kg/lit, 4kg/lit, 10kg/lit, 20kg/lit

APPLICATION DATA:



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Preparation

The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Smooth surfaces should be roughened, all loose material and surface laitance removed and steel cleaned to bright metal preferably using wet grit or water blasting techniques or equivalent approved methods. The concrete/plaster surface should be at least 28 days old or fully cured.

Placing

RustoBlock™ S can be applied using roller, brush or spray techniques. Although care must be taken to ensure that air is not entrapped onto the surface. Apply two coats in the interval of 1 hours or when first coat is touch dry.

Cleaning

All tools should be cleaned with suitable solvent after use.

STORAGE:

Store in dry, frost-free conditions at moderate temperature not **greater** than 25 °C.

IMPORTANT POINTS:

1. Apply only to clean, sound substrates. Concrete should be saturated but surface-dry and free of water backpressure.
2. Care should be taken when curing in hot, sunny or windy conditions.

SAFETY DATA:

- Irritating to eyes, respiratory systems and skin.
- Risk of serious damage to eyes.
- Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- After contact with skin, wash immediately with plenty of clean water.
- Wear suitable protective clothing, gloves and eye/face protection.





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Please consult our technical department for further information.

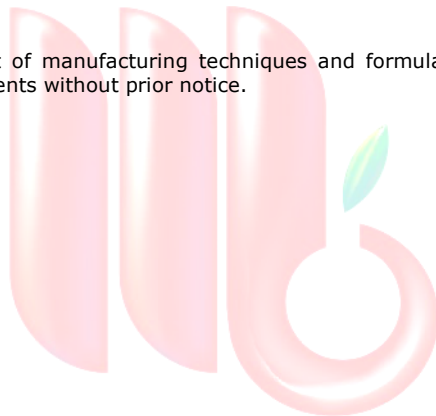
WARRANTY

Multichem warrants **RustoBlock S** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **RustoBlock S**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **RustoBlock S**.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



Div. 12: PROTECTIVE COATING

