RUST SHIELD
RESTORES OXIDIZED AND RUSTED METAL SURFACES

WATERPROOFING & COATING PRIMERS
Water-based, zero-VOC, rust converter for Pre-Primer Application

APPLICATIONS
- Rusted Surfaces
- Sheet Metal
- Rebar
- Steel
- Iron

KEY FEATURES
- Easy and Fast Application
- Prevents rust from delaminating coatings
- Reverses rust oxidation

Anti-rust coating made up of synthetic polymers dispersed in water that transforms oxidized and rusted surfaces into a complex of anti-oxides that become integral into the surface, restoring oxidized metals, and preventing future oxidation (rust).

PREPARATION OF SUPPORT
- The substrate should be completely hardened, dry, and without physical damage.
- The surface should be carefully clean, well consolidated, without debris, or detaching parts.
- Eliminate from the surface every residual of flaking rust, oil, grease, and cement. If possible, sanding or sand-blast.
- The temperature of the environment should be between 40°F (+5°C) and 95°F (+35°C).

MIXING
Mix the product before the use. DO NOT DILUTE.
Do not add anti-frost products, cement, solvents, or water.

APPLICATION
Apply Rust Shield by brush, by roll, or airless sprayer taking care of perfectly covering the surface.
It is recommended to wash with water the surfaces treated with Rust Shield prior to applying the main primer, waterproofing, or any coatings.
The treated surface should be coated with a waterproofing system or non-solvent coatings.

DRYING TIME
At a temperature of 70°F (20°C) and 40% relative humidity, the product dries completely in 4 hours.

*Drying time is influenced by relative humidity and by temperature and may change significantly.

SUGGESTIONS
- Do not apply at temperatures lower than +40°F (+5°C) or higher than +95°F (+35°C).
- During summer season, apply the product in the cooler hours of the day, away from sunlight.
- Do not apply in case of imminent threat of rain, in presence of strong fog, and relative humidity level higher than 70%.
- Rust Shield is active until the total chemical conversion is complete (about 6 hours).
The information contained herein is believed by Kingfield Construction Products to be accurate and is offered solely for the customer’s consideration, investigation, and verification. Determination of suitability for use is the responsibility of the user. Kingfield’s Limitations, Limited Warranty, & Disclaimer along with Standard Terms & Conditions apply. See www.kingfieldcp.com for more info. Limitations: Standard variations of mechanical properties and hydraulic properties are normal. Kingfield products are resistant to chemicals in normal soil environments, however some reagents may affect the performance of these products. A Kingfield representative should be contacted for further information to determine the suitability of use of these products in unusual soil environments. 

Unless otherwise stated, Kingfield products should have limited exposure to artificial UV and sunlight. Kingfield products should be protected immediately, and if applicable, backfilled or covered within seven days of installation. Disclaimer: All information, drawings and specifications are based on the latest published information at the time of printing. Kingfield reserves the right to make changes due to manufacturing improvements and engineering at any time. All physical properties are minimum average values (MAV).

### Packaging
- 6.88 gallon plastic buckets – 55lbs (25 kg)
- Pallet: 36 bucket – 1323lbs (600 kg)

### Storage
- Store in well ventilated areas, away from sunlight and ice, at a temperature between 40°F (+5°C) and 95°F (+35°C).
- Storage time: 24 months.

### Cleaning
Wash tools with water before the product hardening. Do not use solvents.

### Health & Safety
While handling material, always wear personal protective equipment (PPE) and see SDS.

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
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<tbody>
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<td>Features</td>
<td>Unit</td>
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<tr>
<td>Yield</td>
<td>ft²/gallon</td>
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<tr>
<td>Color</td>
<td>Liquid</td>
</tr>
<tr>
<td>Dilution</td>
<td>Beige</td>
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<tr>
<td>Reaction Time</td>
<td>Do not dilute</td>
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<tr>
<td>Application Temperature</td>
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<tr>
<td>Drying Time (T=70°F (20°C); RH=40%)</td>
<td>°F (°C)</td>
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40-95 (+5-+35)