



## RUST SHIELD

RESTORES OXIDIZED AND RUSTED METAL SURFACES

### WATERPROOFING & COATING PRIMERS

Water-based, zero-VOC, rust converter for Pre-Primer Application



**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).

#### APPLICATIONS

Rusted Surfaces  
Sheet Metal  
Rebar  
Steel  
Iron

#### KEY FEATURES

Easy and Fast Application  
Prevents rust from delaminating coatings  
Reverses rust oxidation

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**KINGFIELD CONSTRUCTION PRODUCTS – 20 NORTH 4TH STREET, SUITE 300, MINNEAPOLIS, MINNESOTA 55401**

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## 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.

TECHNICAL DATA		
Features		Unit
Yield	725	ft <sup>2</sup> /gallon
Color	Liquid	-
Dilution	Beige	-
Reaction Time	Do not dilute	-
Application Temperature	4	hours
Drying Time (T=70°F (20°C); RH=40%)	40-95 (+5-+35)	°F (°C)

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