

RUST-OLEUM®



**3575 SYSTEM
RUST REFORMER®**

DESCRIPTION AND USES

A water-based, film-forming product that chemically transforms rust into an inert, non-corrosive material.

Use on rusted steel surfaces only where minimum surface preparation (scraping and wire brushing) is practical. For mild industrial environments. Not for immersion service.

APPEARANCE

Opaque liquid

PACKAGING

1 gallon plastic containers

RECOMMENDED TOPCOATS

Industrial Enamel high gloss, semi-gloss, flat and metallic finishes

COMPATIBLE TOPCOATS

Rust Reformer can be top-coated with many solvent-based finishes; however, for optimal performance with high-performance coatings, the surface preparation and primer recommendation for those coatings should be followed. For water-based finish coatings a solvent-based primer should be used first.

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Do not use on non-rusted surfaces. Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Krud Kutter® Original Cleaner Degreaser, commercial detergent or other suitable cleaning method. Rinse thoroughly and immediately with fresh water and allow to fully dry. Scrape and wire brush to remove loose rust, scale and deteriorated coatings.

APPLICATION

Apply only when air and surface temperatures are between 50-90°F (10-32°C) and surface temperature is at least 5°F above the dew point. Shake well before using. Pour a small amount of Rust Reformer into a separate non-metallic container. Brush material evenly across the surface to be coated. Rust Reformer will dry to a black film in ten minutes. Do not return any unused Rust Reformer to the original container. Doing so will contaminate the remaining material and reduce or eliminate its effectiveness.

PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

An optional finish coat or application of a second coat of Rust Reformer can be applied after three hours. If desired, light sanding after three hours is possible before top coating. Wear gloves or protective clothing to prevent staining.

EQUIPMENT RECOMMENDATIONS

(Comparable equipment also suitable).

BRUSH: Use a good quality natural or synthetic bristle brush.

ROLLER: Use a good quality natural or synthetic cover.

AIR-ATOMIZED SPRAY: (pressure)

| Model | Air Cap | Fluid Tip | Fluid Delivery | Atomizing Pressure |
|----------------------|---------|-----------|----------------|--------------------|
| Binks #18 | 63PB | 66 | 16 oz./min. | 25-60 psi |
| DeVilbiss MBC-510704 | | FF | 16 oz./min. | 25-60 psi |

AIR-ATOMIZED SPRAY: (siphon)

| Model | Air Cap | Fluid Tip | Fluid Delivery | Atomizing Pressure |
|---------------------|---------|-----------|----------------|--------------------|
| Binks #18 | 66SF | 66 | — | 25-60 psi |
| DeVilbiss MBC-51030 | | FF | — | 25-60 psi |

AIRLESS SPRAY:

| | Pump Ratio | Fluid Pressure | Fluid Tip | Filter Mesh |
|---------------------|------------|-----------------|-----------|-------------|
| Graco Bulldog | 30:1 | 2,100-2,800 psi | .017-.021 | 60 |
| DeVilbiss Huskie II | 33:1 | 2,100-2,800 psi | .017-.021 | 60 |

THINNING

BRUSH: Fresh water: Not normally required. Use 5-10% if needed (approx. ½ pint per gallon).

AIR-ATOMIZED SPRAY: Fresh water: Use 10-20% or as needed (approx. 1½ pints per gallon).

AIRLESS SPRAY: Fresh water: Normally not required. Use 5-10% if needed (approx ½ pint per gallon).

CLEAN-UP

Clean brush and any spillage with soap and water before the material dries.



PHYSICAL PROPERTIES

| | | RRUST REFORMER |
|--|-------------------|---|
| Resin Type | | Acrylic Vinylidene Chloride Copolymer |
| Pigment Type | | Barium Sulfate, Silica |
| Solvents | | Water |
| Weight | Per Gallon | 10.5 lbs. |
| | Per Liter | 1.26 kg |
| Solids | By Weight | 54% |
| | By Volume | 43% |
| Recommended Dry Film Thickness (DFT) Per Coat | | 0.5-1.0 mils (12.5-25µ) |
| Wet Film to Achieve DFT (unthinned material) | | 1.0-2.5 mils (25-62.5µ) |
| Theoretical Coverage at 1 mil DFT (25µ) | | 690 sq.ft./gal. (17.0 m ² /l) |
| Practical Coverage at Recommended DFT (assumes 15% material loss) | | 590-1,175 sq.ft./gal. (14.5-28.9 m ² /l) |
| Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity | Tack-free | 20-40 minutes |
| | Handle | 1 hour |
| | Recoat | Alkyd paint: 3 hours (may be sanded after 3 hours for a smoother finish); Lacquer/Aerosol: 3 days |
| Dry Heat Resistance | | 200°F |
| Shelf Life | | 2 years |
| Safety Information | | WARNING! KEEP FROM FREEZING. AVOID SKIN AND EYE CONTACT. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION. |

Calculated values are shown and may vary slightly from the actual manufactured material.

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