

PRODUCT DATA SHEET DESCRIPTION

Rust Primer is a one-component, water-based acrylic copolymer composition that reacts and crosslinks with painted metal and/or rusted surfaces, creating superior anti-corrosive properties. This Rust Primer product is non-hazardous, environmentally friendly, and non-flammable. It can be applied to wet or dry surfaces as a primer or finish coat. Working temperature ranges from -67°C to 200°C (-89°F to approximately 400°F).

Composition Details

- ▶ Specific Gravity: 1.1 (+/-) 0.1
- ▶ Solids by Weight: 60% (+/-) 2%
- ▶ Solids by Volume: 49% (+/-) 2%
- ▶ Binder: Acrylic Copolymer Complex
- ▶ Pigment: Inorganic and Anti-corrosive Pigments
- ▶ Solvents: Water
- ▶ Viscosity: 1100 (+/-) 100
- ▶ VOC Content: 0 g/L

Color

- ▶ Available colors subject to change:
 - First coat: Gray
 - Second coat: Gray
 - Final coat: Customer's choice

Packaging

2 GL	Cod.: TRP 2
5 GL	Cod.: TRP 5

Recommended Application Tools

- ▶ Spray Gun: 0.017" - 0.021" Nozzle
- ▶ Size Brush: Natural bristles
- ▶ Roller: 3/8" nap, lint-free cover (rollers are recommended for horizontal surfaces only)



Surface Preparation

- Use a water jet at 3000-3500 PSI (207-241 Bar) and/or a steel brush to remove all loose corrosion from the surface. The solid and stable rusted surface is acceptable for coating. Ensure any oil and/or grease is completely removed from the surface before coating. If solvents were used to remove grease or oil, rinse off all solvent residues with an additional water jet before applying Rust Primer coatings.

Measuring Rust Thickness

- ▶ Surfaces moderately to heavily rusted (more than 50 microns of rust)

Coat # 1	Wet Dry	200-250 microns Approx. 70-80 microns
Coat # 2	Wet Dry	200-250 microns Approx. 70-80 microns

- ▶ Lightly rusted surface (less than 50 microns of rust)

Coat # 1	Wet Dry	180-210microns Approx. 60-70 microns
Coat # 2	Wet Dry	200-250 microns Approx. 70-80 microns

Surfaces with Old Paint and Rust

- First, apply a primer coat to the rusted spots with approximately 50-60 microns dry film thickness, then follow the instructions for lightly rusted surfaces.

Coverage

- 8-10 m²/liter/coat at 70-80 microns dry film thickness. Actual coverage may vary depending on the surface, application tools, and structure type being painted.



Compatibility

- Solvent-based paints are not recommended as intermediate or top coatings due to their incompatibility. Use only water-based, 100% solids, and approved products.

Note

- When painting over existing paint, Rust Primer will chemically react with the existing paint and in some cases may create white spots. This is purely cosmetic and will not affect performance."

Health and Safety

- Always follow the instructions on the containers and consult the material safety data sheets available from your local supplier.

Storage

- The product should be stored away from direct sunlight at temperatures between 3°C and 35°C. DO NOT ALLOW FREEZING.

Validity

- 24 months in unopened containers (depending on atmospheric conditions). Approximately 12 months in opened and resealed containers.

Warranty

- Rust Primer guarantees that all products are free from manufacturing defects according to applicable procedures. Liability for any proven defective products, if any, is limited to replacement of the defective product or refund of the purchase price paid for the defective products as determined by Rust Primer. Rust Primer does not provide any other warranties of any kind, express or implied, statutory, or otherwise, including but not limited to merchantability and fitness for a particular purpose.

Mixing Instructions

- You can mix it with a manual mixing stick or use a Rust Primer mixing disc, approximately one-third the diameter of the bucket. Insert the mixing blade into the container until it's about 1-2 inches from the bottom. Mix the coating for approximately 10 minutes at a speed that creates a vortex without introducing air into the coating. Move the mixing disc around the bucket while mixing. The coating is properly mixed when, upon lifting the mixing disc out, it flows smoothly like oil without dripping. As the paint may thicken during storage, ensure there's no material on the container walls or bottom during mixing. Remix the paint before use.

Recommended Application Method

- Spray, brush, or roller.

Recommended Drying Time

Temperature	To Touch	Coat #1	Coat #2	Total
10-15°C 50-59°F	45-60 minutes	4 hours	4 hours	8 hours
15-20°C 59-68°F	30-45 minutes	3 hours	3 hours	6 hours
+ 23°C +73°F	25-30 minutes	2 hours	2 hours	4 hours

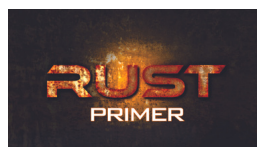
NOTES:

- It's important to wait for the complete drying time of each layer before applying subsequent coats.
- When painting in enclosed areas, ventilation must be provided to facilitate proper drying.

CURING: Complete polymerization and hardness occur within 7 days

MSDS Information

- Todos os ingredientes estão registrados sob o TSCA e não são perigosos, nem tóxicos. Para informações sobre os dados de segurança do material, entre em contato com RUST PRIMER. Email: sales@rustprimer.com. Nosso site: www.rustprimer.com



✉ sales@rustprimer.com
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