



METAL PRIMER 1400

Technical Data Sheet

For Professional Use Only

Rust Inhibitive Primer

Recommended Uses

ProRoof Metal Primer is used as a prime coat over metal surfaces but can also be applied to a wide range of substrates including wood, metal, concrete, masonry, various single ply membranes, spray polyurethane foam and most commonly uses roof coatings. Low VOC levels allow application in most air quality restrictive areas. Fast drying and increases in roof surface temperature are provided by the dark red color.

Description

- A high quality, water-based, rust inhibiting, low VOC primer
- A self-cross-linking technology that provides low VOC levels with greater corrosion resistance and adhesion properties
- Resists heat, cold, moisture and weathering
- Dries quickly for a reduced time before elastomeric coating application

Colors

Standard Colors: DARK RED

Packing/Shipping Information

CONTAINER SIZES:

55 Gallon Drum (208.2 liters)

5 Gallon Pail (18.9 liters)

SHIPPING CLASS - 55

Typical Properties

Property	Results
Total Solids	41% +/- 3%
Weight Per Gallon	10.0 lbs per gallon +/- 0.2
VOC	65G per Liter
Viscosity	800 +/- 200 cP
Storage Stability	Unopened container stored between 40* F to 90* F
Shelf Life	12 Months (unopened)
Clean Up	Water

Surface Preparation

General: Surfaces to be coated should be dry, free of dust, dirt, oil, peeling coating and other foreign matter. Pressure washing is required on metal surfaces showing signs of oxidation.

Applications

This product may be brushed, rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, material should be at least 50°F.

Environmental Conditions: This product cures by water evaporation only. Product must NOT be applied when the ambient temperature is below 50 F or if there is any possibility it could fall below 32 F within 24 hours of application. Application is NOT recommended if rain or dew is likely to occur before product dries. In high humidity conditions late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

Limitations: Surface must be clean and dry. Application is NOT recommended on roofs with slopes less than 1/8" 12 or where ponded water is present. Do NOT apply over wet substrates or when inclement weather is imminent. Complete cure of ProRoof Metal Primer requires complete evaporation of water. Cool temperatures and high humidity retard cure. Do not leave product exposed

to elements for more than 48 hours to prevent weathering and dirt pick up that will compromise adhesive performance properties.

Applications Properties:

Yield (1gal to 200 sq ft)	8 Wet Mils
Dry Time (75* F 50% humidity)	2 to 3 Hours
Recoat Window	2 to 3 Hours
Complete Cure Time	24 Hours

Coverage Rate:

Apply ProRoof Metal Primer 1400 at the rate of 1 gallon per 200 square feet (8 wet mils). Surface texture and wind will affect applied mil thickness.

Equipment: Minimum requirements

Roller:

- 1 ¼” nap roller

Spray:

- 30:1 fluid to air ratio capable pump
- 2 ½ gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose lining should be compatible with coating and required cleanout materials
- Hose rated to 2x maximum pump pressure
- Hose lengths: (largest diameter at pump)
 - ⅜ minimum 6 ft wip
 - ⅜ minimum I.D. up to 75 feet
 - ½ minimum I.D. up to 200 feet
- ¾ minimum I.D. over 200 feet
- Spray gun: Graco Hydrdra Mastic or Equivalent
- Spray Tip:
 - Reversible self-cleaning
 - Orifice size of .027 to .039
 - Fan angle of 40 to 50* deg

Always use components rated for pump pressures.

Safe Practices

The product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include, but not limited to, SDS and product labels. More resources are available at proguardbuilding.com or by contacting Proguard Building directly.

PROGUARD BUILDING - 14422 Best Ave - Santa Fe Springs, CA 90670