



# METAL PRIMER 490

## Rust Inhibitive Primer

### DESCRIPTION

A high quality, water-based, rust inhibiting, low VOC primer with cross-linking technology that provides greater corrosion resistance and adhesion properties at a low VOC. **METAL PRIMER 490** resists heat, cold and moisture, dries quickly for a reduced topcoat time before **ECO-THERM® Elastomeric** or **THERMO-SEAL®** solar-reflective paints application. For Professional use only.

### RECOMENDED USES

**METAL PRIMER 490** is used as a primer 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 used roof coatings. Low VOC level allows application in most air quality restrictive areas. Fast drying. Increase in roof temperature provided by dark red version enables faster system top-coating.

### Properties

Yield	1 gallon to 200 sq ft
Standard applied rate	½ gallon per 100 sq ft
Drying Time (75° F.)	2 to 3 hours
Recoat Window	2 to 3 hours
Complete Cure	24 hours
Total Solids	41%± 3%
Weight per gallon	10.0 lbs per gallon ± 0.2
VOC	65 g/liter
Clean up	Water
Shelf-life (unopened)	12 months @40°-90° F.
Viscosity	800±200 cP

### COLORS

Dark Red, White

### PACKAGING/SHIPPING INFORMATION

CONTAINER SIZE SHIPPING CLASS  
55 Gallon drum (208.2 liters) Class 55  
5 Gallon pail (18.9 liters) Class 55

### SURFACE PREPARATION

Surface must be clean, dry and free of loose particles or other foreign matter. Pressure washing is required on metal surfaces showing signs of oxidation.

**APPLICATION** 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 in package should be at least 75°F. Before applying additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface it must be washed and completely dry before application of subsequent coats. There is no “open time” limit, so METAL PRIMER 490 coated surfaces can be top-coated so long as washed clean anytime 72 hours or more has passed since it has been applied.

**EQUIPMENT** - Minimum requirements:

**Roller**

1” nap roller

**Sprayer**

Spray pump machine capable of 2.5 gallons or more per minute

30:1 fluid to air ratio capacity pump

Filter screen 30 mesh or larger

Hoses rated 2x maximum pump pressure

Hose lining should be compatible with coating and required cleanout materials

Hose lengths (largest diameter at pump)

3/8” minimum 6 ft wip

3/8” minimum I.D. up to 75 ft

1/2” minimum I.D. up to 200 ft

3/4” minimum I.D. over 200 ft

Spray Gun: Graco Hydra Mastic or equivalent

Spray Tip size: .024-.039; Reversible, self-cleaning type.

**PONDED WATER**

The Ultimate Coatings Company warranties (where applicable) do not cover damage due to ponded water or water intrusion. The Nation Roofing Contractor Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual)

**LIMITATIONS**

Surface must be clean and dry. Application is not recommended on roofs with slopes less than 18” in 12” or where ponded water is present. Do not apply over wet substrates or when inclement/rainy or dense foggy weather is imminent. Complete cure of **METAL PRIMER 490** requires complete evaporation of water. Cool temperatures and high humidity retard cure. Do not leave coated product exposed to elements for more than 48 hrs without washing off and allowing to dry prior to topcoating. Do not leave packaged product inside or outside if it is to be exposed to near sub-freezing or below temperatures; such exposure will denature the product and render its performance invalid. Written warranty strictly to be provided when advised and prepaid by customer with manufacturer and is limited to product replacement only.

**SAFE PRACTICES**

This 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 included but are not limited to MSDS and product labels. See topcoat application guides at our website [www.ultimatecoatings.net](http://www.ultimatecoatings.net) for associated product application. Other concerns or questions call manufacturer for more information. Use good paint application judgement at all times.

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