



## UNIVERSAL GRAY PRIMER P-589

**DESCRIPTION:** This product is a modified-alkyd, fast drying, rust inhibiting primer that is formulated for priming both interior and exterior iron or steel. It provides good durability and protection in exposure to weather.

**RECOMMENDED USES:** Intended for use in applications where structural fabrications depend on rapid handling of primed steel.

### TECHNICAL DATA

THEORETICAL COVERAGE: 593 sq. ft.  
per gallon at 1.0 mil dry

RECOMMENDED DRY FILM THICKNESS:

1.5 - 2.0 mils dry per coat

DRYING TIME @ 70° F., 50% R.H.:

To Touch: 10 minutes

To Handle: 20 minutes

To Recoat: 1 hour

SOLIDS CONTENT: 39.46% by volume

SHEEN: Low gloss

WEIGHT/GALLON: 9.96 lb.

VISCOSITY: 58 - 62 Krebs Units

ENVIRONMENTAL CODES:

V.O.C. 4.37 lb./gallon

Lead and chromate free

THINNER: Xylene

FLASH POINT: 79° F.

TEMPERATURE LIMIT (DRY): 200° F.

### IMPORTANT INFORMATION

Do not apply when the air, surface or product temperature is below 50° F. (15.5° C.). Do not apply at any temperature when the ambient air temperature is within 5° F. (3° C.) of the dew point to prevent moisture from condensing on the surface to be painted or on the freshly painted surface.

Primers are not recommended as a finish coat and should not go without top coating for an extended period in exterior exposure.

### **SURFACE PREPARATION**

Paint only clean dry surfaces. Remove all oil, grease, dirt, mildew or other foreign matter by solvent or detergent washing.

**UNPAINTED STEEL:** Best results occur over blasted steel surfaces, however, this primer is designed for spraying over steel surfaces prepared in accordance with SSPC-SP2 "Hand Tool Cleaning" or better. Care must be taken to remove all oil, grease and other contaminants prior to and after hand or power tool cleaning or decreased performance will occur. Also any slick or glossy metal should be roughened with sandpaper or other abrasive prior to painting. Adhesion and performance are dependent on the degree of substrate preparation.

**PREVIOUSLY PAINTED SURFACES:** Remove all rust, rust scale, other corrosion products, loose or heavy chalk and loose or scaling paint by "Hand" or "Power Tool Cleaning" (SSPC-SP2 or 3-63, respectively). Sand or "Brush Blast" (SSPC SP7) any glossy areas until dull. Spot prime bare areas as recommended. Always test for wrinkling by applying to test area and then checking for adhesion.

### **APPLICATION**

Conventional or airless spray. Brush small areas only.

### **HANDLING PRECAUTIONS**

**WARNING: Flammable!**

Keep away from heat and open flame.

Use with adequate ventilation.

Avoid prolonged or repeated contact with skin and breathing of vapor or spray mist.

Do not take internally.

Close container after each use.

**FOR INDUSTRIAL USE ONLY.**

This product and any recommended thinner contains solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during all storage, handling, use and drying periods. For best results and safety usage, user is specifically directed to consult the current "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements.

When applying coatings by spray equipment, observe all precautionary safety measures. Spray equipment must be handled with due care and in strict accordance with the manufacturer's recommendations. If precautions are not taken, spraying of any material can be hazardous. When using or handling spray equipment, hoses and the like, observe all required safety practices. In addition, when spraying paint or coatings, wear a respirator recommended for the product being handled. In all cases wear protective eye equipment. Before using the products listed herein carefully read each product label and follow directions for its use. Please read and observe all the warnings and precautionary information on the product labels.