



HYDROTEC ALKYD OXIDE PRIMER HT5110 GRREY

DESCRIPTION: This fast drying, water-reducible, corrosion resistant primer is V.O.C. compliant and free of lead and chromate. It can be applied to poorly prepared substrates with good adhesion and exhibits good corrosion resistance.

RECOMMENDED USES: Designed as a universal metal primer where low odor, toxicity and fire hazard is desired along with fast dry. Shows good resistance to topcoats containing strong solvents.

TECHNICAL DATA

Theoretical Coverage:
444.79 square ft/ gallon @1 Mil
Weight Per Gallon:
10.122 ± 2%
Solid Content:
42.65% (Wt.) 27.73% (Vol.)
VOC (less water):
2.73 Lbs./ Gal
Recommended Dry Film Thickness
1.5 Mils dry per coat
Drying Time @70°F, 50%RH
To Touch: 25 minutes
To Handle: 60 - 90 minutes
Dry Hard: 1.5 Hour
Force Dry: 20-minute @180 F with
15-minute flash time

Gloss:
1.0 – 7.0 @60° angle
Viscosity:
28.0 – 36.0 sec @#3 S90 Zahn
Organic Solvent:
12.16% (Wt.) 17.35% (Vol.)
Environmental Codes:
Lead and Chromate Free
Temperature Limit (Dry):
200°F
Flash Point:
Non-flammable
Thinner: R099

IMPORTANT INFORMATION

- Higher relative humidity increases dry time, provide air movement.
- Do not apply if surface air or product temperature is below 50°F, or at any temperature when ambient air temperature is below 5°F of the dew point to prevent moisture from condensing on the surface on the surface to be painted on the freshly painted surface.
- Shelf life is one year and stored at room temperature if possible.
- Use multiple thin passes rather than a single heavy pass to obtain film build. Do not apply over 4 wet mils at one time.
- Spray at higher viscosity than typical solvent enamels.

SURFACE PREPARATION

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

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-SP2-63 or 3-63, respectively). Sand or "Brush Blast" (SSPC-SP7-63) 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, roller small areas only.

THINNING

Reduce up to 20% with water; care must be taken to not over thin. Water will reduce viscosity rapidly at a threshold point.

CLEAN UP

Use water when wet. For dried paint, use Butyl Cellosolve or MIBK.

HANDLING PRECAUTIONS

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.

These products and any recommended thinner contain 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 safest usage, the 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.