

Product Description: HyperPrime 2K R/I Ultra Epoxy Primer

PRODUCT CODES: Lite Telegray – Part A – PF-0285 | Red Oxide – Part A – PF-5277
Mist White – Part A – PF-1287 | Black – Part A – PF92-51918 | Curing Agent – Part B – PF-0286

DESCRIPTION: The HyperPrime 2K Ultra Epoxy primer system is a fast drying, high performance, high solids primer for original equipment manufacturers that require excellent gloss holdout, adhesion, chip resistance, and corrosion resistance.

PHYSICAL PROPERTIES:

Weight Solids: 60%
Volume Solids: 41%
Resin Type: Epoxy
Gloss: Semi-Gloss
Theoretical Coverage: 642 square feet at 1.0 mil
Weight Per Gallon: 10.8 pounds
Blended Viscosity: #2 Zahn – 30 to 38 seconds at 77°F
EPA VOC: 3.5 pounds per gallon

SURFACE PREPARATION: The service expectancy of a coating is primarily dependent upon good surface preparation. The surface to be coated should be free of mill scale, rust, oil, and other contaminants, including salt deposits. HyperPrime 2K Ultra Epoxy Primer may be applied over steel, aluminum, fiberglass, or galvanized steel. Due to inconsistencies in galvanizing, please check with your local Vogel Industrial representative for recommendations and substrate testing. For optimum adhesion, hot rolled steel should have the mill scale removed by an abrasive blast to SSPC-SP-6 to an average profile of 1.5 mils and then coated before flash rusting occurs.

Steel: Bare steel areas should be treated with an iron phosphate conversion coatings and adequate rinsing.
Aluminum/Galvanized: Aluminum and galvanizing should be treated with appropriate metal cleaners and conditioners.

ACTIVATION: HyperPrime 2K Ultra Epoxy Primer should be mixed 4 parts A to 1 part B with PF-0286 by volume. No sweat in time is necessary. The pot life will be approximately 7 to 8 hours at 77°F. Five gallon containers are full filled to allow for plural component application. This primer can be sprayed with all types of application equipment.

Mixing Ratio: 4A:1B by volume with PF-0286
Sweat-In Time: None
Pot Life: Approximately 7 to 8 hours at 77°F

APPLICATION:

Airless: For airless application no reduction is necessary. Airless tip sizes should be in the .011 to 0.13 range. Adjust pressures accordingly for best atomization and transfer efficiencies. Air-assist airless pressures will be in the 800 to 1000 pound range for fluid and 30 to 50 pound range for atomizing air.

Conventional Air: For conventional air spray some reduction may be necessary. Use MEK for reducing purposes. Pressures are dependent upon the type of gun and fluid nozzle, but typically will be in the 45 to 60 pound range for proper atomization.

In-Line Heat: In line heat may be utilized up to 100°F to improve application. Caution must be exercised to turn heat off during shut downs to avoid locking up the paint lines due to decrease in material pot life.

Dry Film Thickness: For best results, dry film thicknesses should be 1.0 to 2.0 mils above surface profile. This will require wet film thicknesses of about 3.0 to 4.0 mils. Apply in one wet coat.

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DRY TIMES: Recoat times may vary according to film thicknesses and curing conditions, but typically HyperPrime 2K Ultra Primer can be recoated after set to touch or approximately 5 to 10 minutes. Dry to handle times will be about 1 to 2 hours. It can also be force dried to desired hardness at 160° to 180°F. Overnight hardness will be F+. After overnight or force drying care must be taken to ensure adequate inter coat adhesion. Scuff sanding may be necessary.

CLEAN UP: Use ketones to flush application lines and equipment. The pot life will be approximately 7 to 8 hours at 77°F. At higher temperatures, pot life will diminish.

PERFORMANCE: Typical, tested on B-1000 panels at 1.0 to 1.5 mils DFT

Primer Alone:

Gravelometer: ASTM D-3170 – 4A Excellent
Salt Spray: ASTM B-117 – 500 hours - Pass
Pencil Hardness: ASTM D-3363 - F
Water Immersion: 1,000 hours - Pass
Humidity: 1,000 hours – Pass

Primer/Urethane Topcoat:

Salt Spray: ASTM B-117 – 1,000 hours - Pass
Humidity: 1,000 hours – Pass
Crosshatch Adhesion: 5 B
Direct Impact: 100 inch pounds

SAFETY PRECAUTIONS: Contains acetate and ketones when blended. Avoid contact with skin. Vapor and spray mist harmful. Use proper respiratory protection, including positive air supplied respirators. Refer to SDS for specific information. All information subject to change without notice.