



PRODUCT DATA SHEET FAST DRY POLYURETHANE Primer Surfacer G8005/G3001

Features & Uses

Premium fast drying polyurethane primer that does not necessarily require sanding. Designed to hide small surface imperfections such as rivet heads in aluminum construction.

Specification Data

Type: Polyester Resin

Contains: Xylene, Aliphatic Polyisocyanate

Packaging: Gallons (3.785 Liters) and Quarts (.946 Liters)

Theoretical Coverage-Sq Feet/Gallon of ready to apply material: 558-584 Sq. Feet (52-54m²) at 1 mil (25 microns) dry.

186-292 Sq. Feet (17-27m²) at recommended dry film thickness

Pot Life: 10-12 hours @ 77°F(25°C)/50% RH; 8-10 hours @ 100°F(38°C).

Induction Period: 15 minutes

Coverage calculations are based on theoretical transfer efficiency of 100%. Actual coverage rate obtained will vary according to equipment choice, application techniques, part size, and application environment.

Recommended Wet Film Thickness: 4-6 mils (100-150 microns) wet

Recommended Dry Film Thickness: 2-3 mils (50-76 microns) dry

Recoatibility: At 77°F(25°C)/50% RH – 6 hours with itself and all Awlgrip Urethane Topcoats, 30-Y-94 Primer (S9001), and Zinc Chromate Wash Primer (G9072). Cannot be applied over Latex, or topcoated with Latex, or medium or long oil alkyds.

VOC: Base (G8005) – 519.6 g/lit or 4.3 lbs/gallon
Converter (G3001) – 615.9 g/lit or 5.1 lbs/gallon

Product Components, Reducers, Additives, and Auxiliary Components

White Base G8005
Converter..... G3001
Reducer..... T0003
Equipment CleaningT0003 or T0002 or, M.E.K.

Application Equipment

Conventional pressure pot, siphon or cup gun system; or airless spray system.

Surface Preparation

Aluminum: Using Scotchbrite® pad clean with water, wipe with T0002. Use Alodine 1201 and apply 30-Y-94 (S9001) Anti-Corrosive Epoxy Primer.

Caution: Do not allow Alodine 1201 to dry on the surface. If it dries, scrub the fresh Alodine 1201 and rinse off. After treating the surface 3-5 minutes with Alodine 1201, immediately flush the treated surface with copious amounts of water.

Mixing & Reduction

Mix ratio by volume is 2 parts G8005 Base to 1 part G3001 Converter, then add 2 parts (by volume) T0003 Reducer.

Example: 8 oz. Base, 4 oz. Converter, 8 oz. Reducer (227 grams Base, 113 grams Converter, 227 grams Reducer)

Induction Time after Mixing: 15 minutes.

Anticipated Pot Life at 77°F(25°C)/50% RH: 10-12 hours @ 77°F(25°C)/50% RH; 8-10 hours @ 100°F(38°C).

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Application Instructions

Spray apply one full wet coat of 4-6 mils/100-150 microns, (2-3 mils/50-76 microns dry). May be recoated within 6 hours at 77°F(25°C)/50% RH.

Warning:

Temperature Range: Optimal Surface/Ambient Temperature range is 18°C (60°F) to 35°C (95°F). Proper Application and/or cure results may be more difficult to achieve when conditions are outside this range. Do not apply paint materials to surfaces less than 3°C or 5° F above dew point. Do not apply paint materials to surfaces warmer than 41°C (105°F). Ambient temperature should be minimum 10°C (50°F) and maximum 41°C (105°F).

The information in this Product Data Sheet is not intended to be exhaustive. Any person using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk and, to the extent permitted by law, we can accept no responsibility for the performance of the product or for any loss or damage arising out of such use. The information contained in this Product Data Sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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