

TECHNICAL DATA

EPW-1/EH-53 LOW VOC WATERBORNE EPOXY PRIMER

September 2010

PRODUCT DESCRIPTION:

The EPW-1 series is a waterborne, urethane compatible, corrosion resistant primer that exhibits excellent chemical resistance to Skydrol and other commercial aerospace fluids and solvents. This low odor, low VOC system (<50 g/L) is engineered to provide excellent adhesion to a variety of substrates with the high performance of comparable solvent-based systems.

MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF REGULATION:

MIL-PRF-85582D
BMS 10-83, Type IV

SURFACE PREPARATION:

To insure proper adhesion, scotch brite or sandpaper abrade and clean with an acceptable solvent (Axon SR-40), all surfaces prior to painting. All previously painted surfaces must be free from dirt, oils, and any contaminants prior to painting. Blow-dry and tack surfaces to be painted immediately prior to application of primer.

MIXING / APPLICATION:

Mix thoroughly by volume 4 parts EPW-1 base with 1 part EH-53 hardener. Mix under agitation for 30 minutes prior to application. Material should remain under agitation during the entire application. The pot life of the mixed material will be 3-4 hours. Spray apply a single wet uniform coat to a dry film thickness of 0.6-0.9 mils using siphon, HVLP or airless spray equipment. Allow primer to dry for a minimum of 1 hour or a maximum of twenty-four hours prior to top-coating. When exceeding 48 hours cure time of primer, sanding and re-priming is recommended for optimum results. Reduce 5-20% as needed with deionized water. Reduction will aid in film thickness control and provide a smooth film appearance.

PHYSICAL PROPERTIES:

Appearance:	Semi-gloss, various colors
Gloss:	20 - 30 @ 60
Solids by Weight:	55 - 65% theoretical depending on color
Solids by Volume:	42-54% theoretical depending on color
Solvent Resistance:	100+ Double Rubs IPA/MEK
Coverage:	480 - 500 sq. ft/mil/gallon @ 100% transfer depending on color
Viscosity:	25 - 35 seconds, #3 Zahn
Volatile Organic Content:	70-130 g/L
Shelf Life:	1 year from date of manufacture
Storage Temperature:	40 - 95F

PRECAUTIONS:

Use with adequate ventilation and proper respiratory protection. See MSDS for complete details of composition and required precautions for safe use.

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