

TECHNICAL DATA

ES-5-SERIES / EH-50 HIGH SOLIDS EPOXY SEMI-GLOSS TOPCOAT

November 2010

PRODUCT DESCRIPTION:

This is a two component epoxy topcoat designed to provide maximum protection from chemicals, aviation fuels, hydraulic fluids, and other corrosion causing media. It meets VOC requirements of under 420 g/L and is available in a wide range of colors and sheen.

MEETS OR EXCEEDS THE PERFORMANCE REQUIREMENTS OF SPECIFICATION:

Boeing BMS 10-11, Type II, Class A, Grade D / Boeing DMS 2433, COMP C / HMS 15-1100, Type II, Class 2 / MIL-C-22750

SURFACE PREPARATION:

Surfaces to be painted should be primed with an EP-3 series primer. The epoxy topcoat should generally be applied within 24 hours after priming.

For previously painted surfaces, an alkaline cleaner to remove all oils and other residues should be followed by sanding to a dull surface. Any corrosion must be removed and the entire surface should be primed with an EP-3 series primer.

MIXING / APPLICATION:

Shake or mix the color base component well. Then mix three parts ES-5 base with one part hardener EH-50 by volume 15 minutes prior to using. Pot life is 2 hours minimum. Spray apply over BMS-10-11 Type I primers to a dry film thickness of 1.0 to 1.5 mils.

PHYSICAL PROPERTIES:

Weight Per Gallon:	A) Admixed	9.00 +/- 2.0 # Depending on color
	B) Base	10.00 - 2.0 # Depending on color
	C) Catalyst	7.8 +/- 2 %
Weights Solids:	A) Admixed	50.0 - 65.0 % Depending on color
	B) Base	50 - 70 % Depending on color
	C) Catalyst	64.92 +/- 2%
Weights VOL:	A) Admixed	40 - 60% Depending on color
	B) Base	35 - 50% Depending on color
	C) Catalyst	61.24 +/- 2%
Fineness of Grind:	5.5+ Hegman	
Gloss	20 - 40 max	
Admixed Viscosity:	40 - 44 seconds, #2 Zahn	
VOC Admixed:	< 420 g/L	
Dry times @ 77°F +/- 2		
a) Dust Free	4 hours	
b) Dry Through	10 hours	
c) Full cure	7 Days	

PRECAUTIONS:

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