

TECHNICAL DATA

EP-6-B2/EH-58 VOC COMPLIANT ELECTROSTATIC DISSIPATIVE EPOXY COATING

November 2010

PRODUCT DESCRIPTION

This VOC compliant, lightweight epoxy-amine coating is designed to produce electrostatic dissipative films on non-conductive substrates. This high performance coating has a surface resistivity requirement of 1 - 100 mega-ohms/square and possesses a variety of cure options without sacrificing performance. This product is compatible with all non-electrostatic conventional, airless, and HVLP spray equipment.

MEETS AND/OR EXCEEDS THE PERFORMANCE REQUIREMENTS OF:

BMS 10-21, TYPE II

SURFACE PREPARATION

1. The surface of the non-conductive substrate should be lightly sanded with 180 grit or finer sandpaper to remove any glossy surface.
2. The sanding dust should be removed by wiping with a clean rag.
3. Wipe the surface with a clean rag and suitable solvent immediately before applying this product.

MIXING/APPLICATION

After **EP-6-B2** base is shaken such that there is no material left on the bottom of the can, mix **three** parts **EP-6-B2** base with **one** part **EH-58** catalyst by volume. Allow an induction period of 30 minutes under constant agitation before application. Strain the mixed coating through a fine mesh (100–200 microns) nylon cloth to remove any particles that may have been introduced during mixing and measuring. Spray-apply a single uniform coat to a dry film thickness of 0.5-1.0 mils using siphon, air, or airless spray equipment (non-electrostatic). It may be beneficial to maintain low fluid pressure while applying this material to achieve the desired film properties. Constant agitation is suggested during product application. The typical pot life of this coating at 77°F is four hours. If the film is to be cured at an elevated temperature, a flash time of 15 minutes is necessary. This system can be cured at an elevated temperature up to 200°F.

Reactivation (scotch-brite abrading) is necessary if subsequent coatings are to be applied after 12 hours of cure to insure proper intercoat adhesion.

PHYSICAL PROPERTIES

Appearance:		Flat Translucent Blue
Admixed Viscosity:		35 +/- 5 seconds, #1 Zahn
Pot Life @ 77°F:		4 hours
Weight Per Gallon:	A) Admixed	8.48 lb/gal
	B) Base	8.77 lb/gal
	C) Catalyst	7.59 lb/gal
Volume Solids:	A) Admixed	43.7%
	B) Base	52.1%
	C) Catalyst	18.3%

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EP-6-B2/EH-58 CONT'D VOC COMPLIANT ELECTROSTATIC DISSIPATIVE EPOXY COATING

Dust Free @ 77°F:	15 minutes
Tack Free @ 77°F:	1 hour
Dry Through @ 77°F:	3 hours
Surface Resistivity:	< 10 ⁶ -10 ⁸ Ω/sq
Dry Film Density:	< 5.30 lb/1000ft ² @ 1 mil
Admixed Coating VOC:	< 420 g/L
Admixed Material VOC:	< 350 g/L
Fineness of Grind:	5.5 Hegman
Coverage @ 100% Usage, No Loss:	650-700 ft ² /mil

PRECAUTIONS

Avoid skin contact. If eye contact is made, flush immediately and consult a physician. See MSDS for detailed physical constituents. Do not spray this product with electrostatic equipment.