MIL-PRF-85582C
Water-Borne Epoxy Primer- AIRCRAFT

TECHNICAL DATA SHEET

DESCRIPTION:

MIL-PRF-85582C is a two-component chemically cured water-borne Epoxy Primer that forms a film that is resistant to chemicals, solvents, moisture and abrasion. This product has excellent adhesion to most substrates and is recommended for use as a primer under aliphatic polyurethane topcoats in aerospace applications. MIL-PRF-85582C epoxy primer is rust inhibitive and chemical resistant with excellent abrasion resistance.

PROPERTIES:

Type I	**Standard Pigments**
Type II	**Low Infrared Pigments**
Class C-2	**Strontium Chromate**
Class N	**Non-Chromate**
Color: Type I	**Lt. Green Fed Std # 34151**
Type II	**Dk Green Fed Std # 34052**
Dry Times @77 °F	**Touch- 1 Hr ***
	Topcoat 2-24 hrs*
	Recoat 24 hrs
Solids (Volume)	**41% Minimum**
Solids (pigment)	**50% Minimum**
Pot Life @ 77 °F	**4-6 hours ***
VOC (maximium)	**340 g/L (catalyzed)**
	(2.8 lbs per/gal.)
Shelf Life @77 °F	**12 months (D.M.)**
Reducer	**Water**
Dry Film Thickness	**.6-.9 mils**
S.F. Coverage	**1100 sq/ft gal. *****

* times will vary with, humidity,temperature and film thickness.
*** @ 100% transfer efficiency

ADVANTAGES:

Corrosion Resistant
Chemical Resistant
Meets Military Specification
Meets ASTM Standards
Moisture Resistant
Abrasion Resistant
Resistant to corrosive fumes
Low " VOC's"

Surface Prep & Primer (recommended)

Aluminum:

Solvent wash
Alumiprep- Etch & Clean
Alodine- Chrome Conversion Coating
Prime MIL-PRF-85582 @ .9 mils dry. (minimum)

SAFETY:

Refer to **Material Safety Data Sheets** before use

Distributed by:
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Directions for use:

Mix primer part"A" 1-1 by volume with primer catalyst part"B". Stir thoroughly. Let stand 30 minutes. Reduce as needed with water. Apply one full wet coat using 45-55 PSI (conventional spray) at the gun. If a second coat is desired allow 10-15 minutes dry time between coats. Allow the final coat to dry a minimum of 2 hrs. @77° F. Topcoat within 24 hours. If primer has been left to dry over 24 hours or has been baked, the surface must be abraded to achieve satisfactory adhesion.
NOTE: Never "DRY SPRAY" primers, they need a wet coat to flow into conversion coatings and sand scratches. Refer to M.S.D.S. before use.