



Simco Coatings Inc.

Manufacturer of Military Spec.,  
Corps of Engrs. Spec, Industrial, &  
Marine Coatings

## TECHNICAL DATA SHEET

### **MILGUARD-22750** **HIGH SOLIDS EPOXY COATING (GLOSS COLORS)**

**DESCRIPTION:** Milguard-22750 is a two part VOC Compliant Epoxy Polyamide Based Coating specifically formulated for protection of areas exposed to chemicals and solvents. It is intended to be used as a topcoat for exterior or interior use on aircraft and ground support system. This product complies with the performance specifications of Mil Spec MIL-PRF-22750

**CONFORMANCE:** This product conforms to MIL-PRF-22750 Revision G, Type I, Class H, Grade A/B. This data sheet can be used for certain previous revisions. Contact us for details.

### **TECHNICAL DATA**

<b>FINISH:</b>	Gloss
<b>COLOR:</b>	Fed-Std. - 595 Colors
<b>GENERIC TYPE:</b>	Epoxy Resin & Polyamide Curing Agent
<b>% THEORETICAL VOLUME SOLIDS (MIXED):</b>	60–65% Depending Upon the Type and Color
<b>VOLATILE ORGANIC COMPOUNDS (VOC) MIXED:</b>	2.8 lbs./gallon or 340 g/l.
<b>PACKAGING:</b>	1 Gallon Two Component Kits 3:1 By Volume
<b>THEORETICAL SPREADING RATE:</b>	Approx. 960-1040 sq. Ft. /gal. @ 1.0 MIL DFT
<b>RECOMMENDED DRY FILM THICKNESS:</b>	1.5 to 2.0 Mils
<b>POT LIFE:</b>	4 Hrs. @ 77°F
<b>SHELF LIFE:</b>	Minimum 12 Months
<b>FLASH POINT:</b>	95°F (35°C)
<b>REDUCER/CLEAN UP:</b>	MIL-T-81772, Type II Epoxy Thinner
<b>DRY TIME @ 75 °F:</b>	
<b>A.) TO TOUCH:</b>	4 Hrs.
<b>B.) DRY HARD:</b>	8 Hrs.
<b>C.) TO RECOAT:</b>	8-12 Hrs.
<b>D.) TO FULL CURE:</b>	7 Days

### **SURFACE PREPARATION:**

All surfaces to be coated must be dry and cleaned free of rust, oil, dirt, soil and other contaminants. For general use steel should be blast cleaned to a minimum of commercial grade SSPC SP-6". For

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### **SURFACE PREPARATION (continued):**

severe service and sustained immersion, "Near White" SSPC SP-10 is recommended. For best results apply when surface temperature is above 50°F (10°C) and a minimum of 5°F (3°C) above the dew point, and relative humidity is no greater than 85%.

### **MIXING & INDUCTION TIME REQUIREMENT:**

Using the proportion of 3:1 of Component A to Component B, do the following: Agitate Component A by itself with a hand spatula, and then slowly pour in Component B (Hardener/Activator) and mix till mixture is smooth and uniform. At a temperature range of 70°F – 80°F, let mixture stand for 15 - 20 minutes after mixing both components and before application. Colder temperatures will require a longer induction time.

### **APPLICATION:**

Spray recommended. Brush or roller may be used with additional thinning required. Care should be taken to achieve required film build. Thin up to 5% with T-81772 Type II Epoxy Thinner if required.

### **CONVENTIONAL SPRAY:**

DeVilbiss MBC-510 spray gun "E" Fluid Tip #704, #765 or #78 Air Cap.

### **AIRLESS SPRAY:**

Use of spray tips with 0.015" to 0.021" orifice is suggested depending on available pressure and job conditions, with a minimum of 2800 PSI tip pressure.

### **SAFETY PRECAUTIONS:**

(A) Use normal precautions such as gloves, facemasks.  
(B) Adequate ventilation must be maintained. (C) Explosion proof lights and electrical equipment.  
(D) Non-sparking shoes and tools for workers in the area. (E) This product contains flammable materials. Forbid all flames, smoking and welding in the work area. (F) Avoid breathing of vapor, contact with skin and eyes.

### **NON-WARRANTY:**

The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information or of this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc., assumes no responsibility whatsoever for coverage, performance, or any other damages, including injuries resulting from use of this information or of products recommended herein.

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