



Simco
We've Got You Covered

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MIL-PRF-4556F **EPOXY COATING KIT FOR INTERIOR OF STEEL FUEL TANKS**

Description:

This epoxy coating consists of a Two-Component Epoxy Lt. Yellow Primer and a Two Component White Topcoat specifically formulated to use on the interior surfaces of steel tanks used for transportation and storage of Military Fuel and Oils without contributing to contamination of the cargo.

The coating, furnished as a kit, is lead and chromate free having a maximum VOC of not more than 2.8 pounds per gallon (340 grms./ltrs.) at application.

Technical Data

Generic Type:	Epoxy Resin and Polyamide Curing Agents
Color and Finish:	Primer-Lt. Yellow Topcoat-White Low to medium sheen
Solvents Type:	Aliphatic Aromatic Hydrocarbons alcohols
Solids by Volume:	68 ± 1%
Flash Point:	99° F (37° F) PMC
Pot Life:	4 hrs. Min. @ 75° F
Theoretical Coverage:	
@ 1.0 Mil (25 Microns):	Approx. 1050 Sq. Ft./Gallon
@ 4.0 Mils (100 Microns):	Approx. 260 Sq. Ft./Gallon The actual coverage will be less depending upon the application technique job conditions and type of surface to be coated.
Drying Time:	
To touch:	4 hours
Dry hard:	16 hours
VOC:	2.40 Lbs./Gallon (290 Grms./Liters)
Package:	A two component material with base and curing agent supplied in separate packages. Mix ratio of Base to curing agent is 4:1 by volume
Shelf Life:	2 year minimum
Reducer/Clean-Up:	Thinner # MIL-P-24441

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 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%.

Application:

Spray recommended. Brush or roller may be used with additional thinning required. Care should be taken to achieve required film build.

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 & electrical equipment.
- (D) Non-Sparking shoes & tools for workers in area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- (F) Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

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 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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