



Simco
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MILGUARD-53022
CORROSION INHIBITING
L&C FREE EPOXY PRIMER

Description: Milguard-53022 is a Corrosion Inhibiting Epoxy Polyamide Coating intended for use on properly cleaned and pretreated ferrous and non-ferrous substrates. It is a lead and chromate free primer that may be used to replace MIL-P-52192 and MIL-P-23377 where exposure to Lead & Chromate pigments is not permitted.

Recommended Uses: For use over Aluminum and Steel substrates to provide chemical and corrosion resistance.

Conformance: This Product complies with Military Specification MIL-P-53022B, Type-I & II

Technical Data

Generic Type:	Epoxy Resins and Aliphatic Polyamine
Color & Finish:	White, Gray & Pastel Shades; Lusterless
Flash Point:	100° F
Weight Solids:	88 ± 1%
Volume Solids:	75 ± 2%
VOC:	Approx 1.70 Lbs./Gal. or 205 Grms./Ltr.
Recommended DFT	4-6 Mils
Theoretical Coverage @ 1 mils:	Approx. 1200 sq/ft
Mix Ratio:	4 Parts by Volume of Epoxy, Component-A to One Part by Volume of Hardener, Comp-B
Pot Life:	3-4 hours
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Shelf Life:	24 months
Drying Time @ 75° F:	
To Touch:	30 min
To handle:	4 hours
To topcoat:	6 hours
To service:	3 days
Reducer/Clean-up:	Thinner # MIL-P-24441
Packaging:	5's/1's

Surface Preparation:

A.) Iron & Steel:

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.

B.) Aluminum:

Remove all oil, grease, dirt, oxide and other foreign material by solvent cleaning per SSPC-SPI.

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 Data:

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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