



Simco
We've Got You Covered

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MILGUARD-14105 **HEAT-RESISTING PAINT**

Description: A single pack pure silicone based pigmented finish specially designed to withstand 1000 °F constant temperatures and intermittent 1400°F exposure. This paint is Lead and Chromate Free and contains no more than 3.5 lbs. per gallon (420 grams per liter) of volatile organic compounds (VOC) as applied.

Recommended Uses: The coating is intended for use on solvent degreased and blasted steel surfaces of components, which are subject to high temperatures and exterior weathering.

Components such as mufflers, manifolds and stacks may be protected by use of this paint. The paint provides excellent protection against corrosion and chemical attack.

Conformance: Conforms to Military Specification MIL-P-14105D.

Technical Data

Generic Type:	Blend of Pure Silicone Resins
Color & Finish:	Silver, Gray, Black & Pastel Shades; Flat
Flash Point:	45° F
Weight Solids:	70%
Volume Solids:	58 ± 2%
VOC:	3.5 Lbs./Gal. or 420 Grams/Liter
Recommended DFT	2-3.0 Mils/Coat
Theoretical Coverage @ 3 mils:	Approx. 250 sq. ft./Gal.
Recommended Primer:	HTR-7500
Recommended Thinner:	T-100 Thinner
Drying Time @ 75° F:	
To Touch:	1 hour
To recoat:	6 hours
Complete Cure:	1 Hour @ 500°F
Number of Coats:	1
Shelf Life:	1 year

Surface Preparation:

All surfaces must be clean, dry and free from all loose rust, scale, paint or oil. For best results abrasive blast SSPC SPC-6".

Application Data:

Brush, Roller or spray 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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