



Simco Coatings Inc.

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

**TECHNICAL DATA SHEET**

**MIL-PRF-24635**  
**HIGH PERFORMANCE SILICONE MODIFIED ALKYD PAINT**

**PRODUCT DESCRIPTION:** This product is a high grade, air-dry, copolymerised silicone alkyd enamel that is the ultimate non-chalking finish coat. It is a tough, resilient coating designed for exceptional exterior durability with superior gloss and color retention and is an ideal maintenance topcoat with good flexibility and intercoat adhesion. It can be used on primed, smooth metal, glass reinforced plastic (GRP) wood and plastic/composite surface.

**CONFORMANCE:** This product conforms to MIL-PRF-24635 Type II, Revision E (the latest Revision). This data sheet can be used for certain previous revisions of MIL-PRF-24635 and MIL-E-24635. Contact us for details.

**TECHNICAL DATA**

<b>TYPE:</b>	Silicone modified alkyd topcoat
<b>COLOR:</b>	As Per Fed-Std-595C
<b><u>FINISH:</u></b>	
<b>CLASS 1:</b>	High Gloss (85 Minimum)
<b>CLASS 2:</b>	Semi-Gloss (45 – 60)
<b>CLASS 3:</b>	Low Gloss (7 – 12)
<b>FLASH POINT:</b>	81°F (27.2°C) Minimum
<b><u>DRYING TIME AT 75°F:</u></b>	
<b>(A) SET TO TOUCH:</b>	2 hrs.
<b>(B) DRY HARD/TO HANDLE:</b>	8 hrs.
<b>(C) TO OVERCOAT:</b>	24 hrs.
<b><u>SOLIDS CONTENT BY VOLUME:</u></b>	
<b>TYPE II:</b>	Approx. 58%-60%
<b><u>VOLATILE ORGANIC COMPOUND (VOC):</u></b>	
<b>TYPE II:</b>	2.8 lbs./gallon (340 g/l)
<b>RECOMMENDED DFT:</b>	2.0 mils/coat
<b><u>THEORETICAL COVERAGE @ 2.0 MILS DFT:</u></b>	
<b>TYPE II:</b>	Approx. 400 sq. ft./gal.
<b>SHELF LIFE:</b>	Minimum 12 months
<b>THINNER:</b>	T-81772 Type-III Alkyd Thinner

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**TEMPERATURE RESISTANCE:** 350°F

**SURFACE PREPARATION:** This product is designed to be applied over blasted or primed steel. Ensure that the surface is free from contaminants.

**METHOD OF APPLICATION:** Can be applied by conventional spray, brush or a roller. Mix the product thoroughly before use. Thin up to 5% with T-81772 Type-III if required for work ability.

**SAFETY PRECAUTIONS:**

- (A) Use normal precautions such as gloves and facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights and electrical equipment.
- (D) Non-sparking shoes and 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 and eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain immediate 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 or of this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for the coverage, performance or any other damages, including injuries resulting from the use of this information or of products recommended herein.

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