



# Technical Data Sheet

TECHNICAL DATA SHEET  
MIL-PRF-24635  
SILICONE ALKYD ENAMEL

**PRODUCT:**

An air-dry, low VOC, silicone enamel conforming to MIL-PRF-24635E. It is highly weather resistant with excellent color and gloss retention.

**DESCRIPTION:**

A high-grade copolymerized silicone alkyd enamel intended for use on primed smooth metal surfaces, reinforced plastic, wood and plastic/composite surfaces. It is highly weather resistant and has superior color and gloss retention as well as heat resistance of up to 750 degrees Fahrenheit. Available in color number 26270 per FED.STD 595B, Navy Haze Gray and others as required.

**PROPERTIES:**

**COLORS:** Fed.Std 595B  
**SOLIDS(Weight):** Minimum 63% **VISCOSITY:** 67 - 77 KU  
**GLOSS (60 Deg):**  
CLASS I: 85 MIN  
CLASS II: 45-60 MAX  
CLASS III: 7-12 MAX  
**DRYING TIMES:**  
SET-TO-TOUCH: 2 HOURS MAX DRY HARD: 8 HOURS MAX  
**VOLATILE ORGANIC COMPOUNDS:**  
TYPE II: 340 G/L  
TYPE III: 250 G/L  
MAX RECOMMENDED DRY FILM: 2 MILS / COAT  
VEHICLE TYPE: SILICONE ALKYD

**ADVANTAGES:**

1. Excellent Weather Resistance.
2. Meets MIL-PRF-24635
3. Excellent Coverage.
4. Excellent Gloss Retention.
5. UV Resistant.

**USES:**

1. Steel
2. Machinery
3. Tanks
4. Railings
5. Towers

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Address: P.O. Box 409 Clinton, MI 49236 Office Phone: 734-580-2089 Email: sales@superiorsalesdist.com  
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## **APPLICATION & REDUCTION:**

MIL-PRF-24635E Silicone Alkyd Enamel may be applied by brush, roll or spray application. For spraying, thin up to eight parts by volume of enamel with one part of thinner in accordance with TT-T-291F or TT-T-306C. For brush or roll, use at packaged consistency or thin only as needed with TT-T-291F for proper flow and ease of application.

## **SURFACE PREPARATION:**

Surface must be clean, dry and free of all contamination and properly prepared and/or primed before application.

## **STEEL:**

Surface must be clean and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

## **PRECAUTIONS:**

Contents are FLAMMABLE.  
Keep away from heat and open flame.  
KEEP OUT OF THE REACH OF CHILDREN.  
Do not take internally.  
Avoid breathing vapor or mist.  
Do not use in tank or pit without proper protection.  
Read Material Safety Data Sheet before use of this product.

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