



Simco Coatings Inc.

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

## TECHNICAL DATA SHEET

### TT-E-529 SEMIGLOSS, LOW VOC, ALKYD ENAMEL FINISH

**DESCRIPTION:** This semi-gloss enamel is a single pack, air drying alkyd based coating intended primarily for use on primed wood and metal surfaces as an exterior or interior finish coat for military and other special equipment.

**CONFORMANCE:** This product conforms to TT-E-529 Revision G (the latest Revision).

#### TECHNICAL DATA

<b>GENERIC TYPE:</b>	Medium oil alkyd
<b>COLOR &amp; FINISH:</b>	As per Fed-STD-595 Colors, Semi-gloss Finish
<b>FLASH POINT (MIN):</b>	81°F (27.2°C)
<b>% SOLIDS BY WEIGHT:</b>	65
<b>% SOLIDS BY VOLUME:</b>	50
<b>RECOMMENDED DRY FILM THICKNESS (DFT):</b>	1.5 –2.0 Mils/Coat
<b>THEORETICAL COVERAGE @ 2.0 MIL: (50 MICRONS)DFT:</b>	Approx. 400 Sq. Ft./Gallon
<b>DRYING TIME @ 75 °F:</b>	
<b>A.) SET TO TOUCH, HOURS:</b>	2
<b>B.) DRY HARD, HOURS:</b>	8
<b>C.) FULL HARDNESS, HOURS:</b>	72
<b>VOLATILE ORGANIC COMPOUNDS (VOC):</b>	3.5 lbs./gallon or 420 g/l
<b>RECOMMENDED THINNER: (FOR THINNING &amp; CLEANING)</b>	T-81772 Type III Alkyd Thinner
<b>SHELF LIFE:</b>	1 Year

#### **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. If required, thin up to a maximum of 5% of T-81772 Type III Alkyd Thinner.

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**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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