

Simco Coatings Inc.

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

TECHNICAL DATA SHEET

TT-E-516

QUICK DRYING, STYRENATED ALKYD TYPE, LUSTERLESS ENAMEL

DESCRIPTION: This lusterless enamel is a one component, quick air drying, alkyd based coating used as a finishing coat for ammunition and other metal surfaces. It is not intended for use where gasoline resistance is a prime requisite such as automotive equipment.

CONFORMANCE: This product conforms to TT-E-516 Revision A (the latest Revision).

TECHNICAL DATA

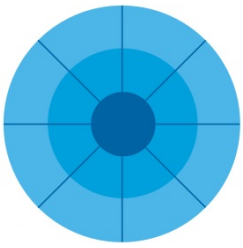
GENERIC TYPE:	Styrenated Alkyd Type Resin
COLOR & FINISH:	Fed-STD-595 Colors Lusterless
FLASH POINT:	81 °F
VISCOSITY (Ku):	72 ± 5 Ku
AVERAGE % SOLIDS BY WEIGHT:	68 % - 70 %
AVERAGE % SOLIDS BY VOLUME:	44 % - 46 %
RECOMMENDED DRY FILM THICKNESS(DFT)COAT:	1.5-2.0 Mils/Coat
COVERAGE (THEORETICAL): @ 2.0 MIL (50 MICRONS)DFT:	Approx. 350 Sq. Ft./Gallon
SPECULAR GLOSS:	4-8
DRY TIME @ 75 °F:	
A. SET TO TOUCH:	5 Mins.
B. DRY HARD:	10 Mins.
C. TACK FREE AFTER:	15 Mins.
D. DRY THROUGH:	20 Mins.
E. FULL HARDNESS:	72 Hrs.
VOLATILE ORGANIC CONTENT (VOC):	4.8 lbs./Gallon or 582 g/l
RECOMMENDED THINNER:	MIL-T-81772 Type III
SHELF LIFE:	1 Year

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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 MIL-T-81772 Type III Alkyd Thinner if required.

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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