



Simco Coatings Inc.

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

TECHNICAL DATA SHEET

MIL-E-16663A, TYPE-I, CLASS-I
SEMI-GLOSS ENAMEL FOR METAL SURFACES OF AMMUNITION AND
AMMUNITION CONTAINERS

DESCRIPTION: The coating covered by this specification is a single component, fast drying, semi-gloss, alkyd enamel specifically formulated for metal surfaces of ammunition and ammunition containers.

CONFORMANCE: This product conforms to MIL-E-16663 Revision A (the latest Revision).

TECHNICAL DATA

GENERIC TYPE:	Modified Alkyd Enamel
COLOR & FINISH:	FED-STD-595 Semi-Gloss
FLASH POINT:	81°F
VISCOSITY (Ku):	70-78 Ku
FINENESS OF GRIND	Minimum: 4
SPECULAR GLOSS: 60 °	25-40
AVERAGE % SOLIDS BY WEIGHT:	70±2
AVERAGE % SOLIDS BY VOLUME:	55±1
RECOMMENDED DRY FILM THICKNESS (DFT):	1.5-2.0 Mils/Coat
DRY TIME @ 75 °F CLASS-I:	
(i) SET TO TOUCH:	20 Mins.
(ii) DRY HARD:	30 Mins.
(iii) FULL HARDNESS:	16 Hours
VOLATILE ORGANIC CONTENT (VOC):	3.50 lbs./gallon or 420 g/l
RECOMMENDED THINNER (For Thinning & Cleaning):	MIL-T-81772 Type III
SHELF LIFE:	1 Year

SURFACE PREPARATION:

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

Simco Coatings Inc.
211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.
Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO
e-mail: sales@simcocoatings.com web: www.simcocoatings.com



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METHOD OF APPLICATION:

Can be applied by conventional spray, brush or a roller. Mix the product thoroughly before use. If required, thin with MIL-T-81772, Type III Thinner (5% maximum by volume).

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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