



Simco Coatings Inc.

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

TECHNICAL DATA SHEET

ALUMINUM PAINT AASHTO DESIGNATION: M-69-70 (MILVAR-839)

DESCRIPTION: Aluminum paint M-69 is based on an oleo-resinous water resisting spar varnish and leafing type Aluminum Paste. Type I is supplied in separate containers & Type II has the Aluminum Paste premixed in the Varnish.

RECOMMENDED USES: As a topcoat, primarily intended for use on properly primed steel structures.

CONFORMANCE: This product conforms to American Association of State Highway and Transportation Officials Specifications AASHTO M-69, Type-I or Type II.

PHYSICAL PROPERTIES:

GENERIC:	Oleo-resinous varnish
COLOR:	Silver (varnish & paste mixed together)
FLASH POINT:	105°F
SAG RESISTANCE:	2.0-3.0 Mills Wet Film Thickness
RECOMMENDED DFT:	Approx 1.0 –1.5 Mills.
VOLUME SOLIDS (MIXED):	Approx 45%
VOLATILE ORGANIC COMPOUND (VOC):	3.11 lbs./gallon or 372 g/l
THEORETICAL COVERAGE:	Approx. 700 sq. ft. / gal. @ 1.0/mil DFT.
DRY TIME:	3-4 Hours
DRY HARD & TOUCH:	16 Hours
THINNER FOR CLEANUP ONLY:	Mineral Spirits

DIRECTIONS FOR USE: This paint is intended as a finish coat over rust inhibitive primers on structural steel or over other alkyd and oleo-resinous paints. All oil, grease dust and loose or non-adherent paint shall be removed. If the undercoat is damaged, the steel shall be spot-cleaned and spot-primed with rust inhibitive primer.

This paint is furnished in two components, add the Aluminum Paste to the mixing varnish in the ratio of two pounds of Aluminum Paste per gallon of varnish vehicle.

To mix the Paste with the varnish, add a small amount of varnish to sufficient Aluminum Paste in a large container. Thoroughly mix the Aluminum Paste with a small portion of varnish until smooth, thin Paste is achieved. Gradually, add more of varnish while stirring. Continue adding paste and mixing until all the varnish is incorporated with the vehicle. Examine bottom of container for un-mixed paste. Screen paint before applying.

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DIRECTIONS FOR USE (CONTINUED): Apply by brush or spray to the specified film thickness. The surface to be painted shall be dry, surface temperature shall be at least 5°F (3°C) above the dew point, and the temperature of the air shall be over 40°F (4°C). Do not paint outdoors in rainy weather or if freezing temperatures are expected before the paint dries.

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 coverage, performance or any other damages, including injuries resulting from the use of this information or of products recommended herein.

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