



Simco Coatings Inc.

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

## TECHNICAL DATA SHEET

### MIL-V-173 (MILVAR-838) MOISTURE-AND-FUNGUS-RESISTANT VARNISH

**DESCRIPTION:** Our Milvar-838 (Conformance: MIL-V-173) is a high solids, oleoresinous based moisture and fungus resistant varnish with excellent interior and exterior durability. It dries to a smooth, lustrous transparent hard finish. It is intended for use as a transparent exterior protective finish coating for wood and metal.

**CONFORMANCE:** This product conforms to MIL-V-173, Composition I or II, Revision C (the latest Revision).

#### TECHNICAL DATA

<b>FINISH:</b>	High Gloss
<b>VEHICLE TYPE:</b>	Tung Oil /Pure Phenolic Resin Base
<b>SOLVENT TYPE:</b>	Xylene/Aromatic/Aliphatic Hydrocarbon
<b>FLASH POINT:</b>	77°F
<b>SOLIDS BY WEIGHT:</b>	50 % Min.
<b>VISCOCITY (GARDNER-HOLT):</b>	C-D
<b>RECOMMENDED DRY FILM THICKNESS (PER COAT):</b>	0.75 -1.0 Mil.
<b>AVERAGE DRY TIME @ 75°F:</b>	
<b>(A) SET TO TOUCH, HRS:</b>	1 Hr.
<b>(B) DRY HARD, HOURS:</b>	4 Hrs
<b>(C) FREE FROM AFTER TACK, HOURS:</b>	5-6 Hrs.
<b>THINNER FOR CLEANUP ONLY:</b>	Xylene
<b>VOLATILE ORGANIC COMPOUNDS (VOC):</b>	3.4 lbs. / gallons or 405 g/l
<b>SHELF LIFE:</b>	12 Months

**SURFACE PREPARATION:** The surface to be varnished must be dry and free of wax, grease and dirt. Varnish will not dry on a waxed surface. Remove loose and scaling film and dull the gloss on previously varnished surfaces with a light sanding. Remove all dust with a clean cloth dampened with paint thinner and allow to dry for a few minutes.

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](mailto:sales@simcocoatings.com) web: [www.simcocoatings.com](http://www.simcocoatings.com)



Simco Coatings Inc.

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

**MIL-V-173 (MILVAR-838)**  
**MOISTURE-AND-FUNGUS-RESISTANT VARNISH**

**APPLICATION:** Brush or spray. Apply two or more coats of Milvar-838 Moisture –And –Fungus - Resistant Varnish. If using a brush, brush out well to avoid "puddling"

**Sealed Surfaces:** Apply one or two coats of Varnish as required.

**THINNING:** Thin all but the finish coat of Varnish with half-pint of paint thinner per gallon. Use finish coat as it comes from the can.

**DRYING TIME:** Varnish will dry in six to eight hours. It may be recoated in 24 hours under normal conditions. It may be rubbed in 24 hours.

**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.

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](mailto:sales@simcocoatings.com) web: [www.simcocoatings.com](http://www.simcocoatings.com)