

## Golden Mural Paints

### MSA Varnish w/UVLS Mural Formula (Satin)

### CPWMV03-F

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#### Description

**CPWMV03-F MSA Varnish w/ UVLS Mural Formula (Satin)** provides a final protective barrier to promote the longevity of murals. The UVLS system provides increased resistance to the harmful effects of ultraviolet radiation, making the product suitable for exterior as well as interior application. Must be thinned with CPWVM02-8 MSA Mural Formula Solvent (VOC Compliant).

#### Key Features

- Moderate reflection, similar to most matte varnishes\*
- Durable layer that can be painted over for touch ups
- Removable with MSA Mural Solvent

\* While gloss varnishes create easier to clean and more durable coatings, the MSA Mural Varnish Satin provides a desirable aesthetic for muralists. However, it may collect dust and dirt more easily, and be more easily damaged through abrasion.

#### Sealing the Surface for Varnish Application

We suggest applying an even layer of the CPWVM10-8 Mural Isolation Coat (Gloss) prior to varnish application. The isolation coat should cure a minimum of 1 day before varnishing. If the isolation coat sits for more than two weeks before varnishing, wipe the surface with water and a lint free cloth to prevent dust, dirt, or contaminants from being sealed into the final varnish layer and to remove any surfactants that could cause a lack of adhesion with the varnish layer. Sealing absorbent surfaces of the mural with an isolation coat will assist in the varnish application. This will prevent the varnish from being absorbed into the surface and allow the varnish to function as a removable topcoat. See the CPWVM10-8 Mural Isolation Coat (Gloss) TDS for further product information.

#### Thinning GOLDEN MSA Varnish

MSA Varnishes are made thick to keep matting solids from settling.

**MSA Mural Formula Solvent must be used to thin the Varnish Mural Formula (Satin) before use.** MSA Mural Varnish comes in a partially filled 5 gallon bucket to facilitate easier blending in of the MSA Solvent.

#### Suggested Starting Ratios

- For brush applications, 3:1 parts Varnish to Solvent

#### Brush Application

- Use a soft synthetic brush that loads well, holds its shape, and leaves minimal brushstrokes.
- One to two coats are required. More may be added if needed.
- Any visible brushstrokes can be minimized by brushing subsequent coats in a perpendicular direction to the prior coat.
- Utilizing the textures and borders within the mural can also assist in creating a less visible isolation coat. For example, mimicking brushstrokes or using some of the visual edges of the mural can reduce the appearance of brushstrokes.

#### Preferred Application Method

Work in a team, with one assigned to apply the product to the surface, and the other assigned to work on details and hiding brushstrokes to finish the application.

#### Roller Application Not Recommended

**Coverage:** 400-500 sq. ft. per properly thinned gallon if applied by brush.

**Recoat Time: 2-4 hours**

#### Drying/Curing Time:

- Usually becomes tack-free & suitable for recoating after 3-6 hours.
- Most curing will occur within two weeks.
- Air movement and exchange will assist in proper drying.
- Cold weather & high humidity will slow down cure time.

#### Future Maintenance and Restoration

##### Painting Over MSA Varnishes:

- If MSA Varnish is to be *removed* for restoration attempts, it is important that they not be painted over.
- The removable process for future conservation generates strong fumes and is difficult on a vertical surface. Not for routine maintenance.
- For Touch ups of small areas, only acrylic paints may be used. Do not use oil paints.
- MSA Varnishes should not be mixed with acrylic polymer dispersion paints or mediums.

#### Clean Up

Clean all equipment immediately following application. GOLDEN MSA Varnish should be cleaned from tools with the same solvent used for thinning, followed by soapy water wash and clear water rinse. Consult with local authorities for methods of disposal.

#### Storage

- Store in a cool/dry location at temperatures between 40° F & 90° F.
- Do not allow material to freeze or be exposed to temperatures exceeding 120° F for extended periods.

#### Packaging

3 gal. / 11.4 l

**WARNING !** Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure if inhaled.



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If you have any questions or concerns regarding the proper use or application of an isolation coat, please call or email the Golden Materials and Applications Department: [help@goldenpaints.com](mailto:help@goldenpaints.com)/(800) 959-6543.

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight per Gallon (in lbs)	Gardner Cup	7.55
Specific Gravity	Calculated	0.91
Typical Weight Solids	Calculated	43.6%
Typical Volume Solids	Calculated	39.7%
Consistency/Appearance	Visual Observation	Semi-viscous, slightly yellow translucent liquid
pH (initial)	pH Meter	NA
Viscosity	Brookfield RVT	2,000 – 4,500 cP (spindle 5, 100 rpms)
Odor	Subjective	Distinct mineral spirit odor
Gloss/Sheen (85 degrees)	Glossmeter	35-60
Base Polymer	Known	Butyl methacrylates
Flash Point	Closed Cup	45°C/113°F (ASTM D-56)
Freeze/Thaw Stability	Lab Test	NA
Shelf Life	Lab Test	Expect 2 Years at 77° F
Storage Conditions	Recommendation	Cool/Dry, Avoid Freezing/Heat
Application Temperature	Recommendation	65° F to 75° F/18°C to 24°C (best results)
Paintability	Recommendation	Use only as topcoat, do not paint over
Application Thinner	Recommendation	CPWMV02 MSA Mural Formula Solvent (VOC Compliant)
Clean Up	Recommendation	CPWMV02 MSA Mural Formula Solvent (VOC Compliant)
Coverage Per Gallon	Recommendation	350 – 500 sq.ft/ gal

**Environmental & Transportation Information**

VOC: < 500 g/l  
Not RCRA Hazardous for disposal  
Not Dangerous Goods for shipping via any mode

**SEE SDS FOR ADDITIONAL INFORMATION**

**LIMITED WARRANTY**

In the unlikely event of product failure, and determination by GOLDEN that product did not meet intended quality or published specifications, GOLDEN will, at its discretion, either replace the product or refund the purchase price as the customer's sole remedy. GOLDEN expressly disclaims liability for incidental and consequential damages, to the extent allowed by law.

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