

**GPW Mural Paints**

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**MSA Mural Varnish w/UVLS**

CPWMV04 = Semi-Gloss, CPWMV05 = Satin

**Description**

**MSA Mural Varnish w/UVLS**, is a Mineral Spirit based Acrylic resin system (with Ultraviolet Light Stabilizers) that dries to a tough, yet flexible protective finish, protecting the mural against dust, dirt, marring and environmental conditions. The UVLS system provides increased resistance to the harmful effects of ultraviolet radiation exposure, helping to ensure the longevity of the mural colors over time. VOC compliant. No thinning required. Available in Semi-Gloss and Satin.

**Key Features**

- A clear film offering protection against environmental concerns such as ultraviolet light, dirt, and moisture.
- Resistant to yellowing.
- Suitable for exterior as well as interior application.

**Application Preparation**

- Stir well immediately before use, no thinning required. Stir with a metal or wood stirring stick until varnish appears homogeneous, approximately 30-60 seconds.
- Remove any dust or dirt that may be on the mural surface before applying the varnish.
- For best results, apply when the temperature is between 65° F to 75° F/18°C to 24°C. Higher temperatures can cause quicker drying and affect the evenness of the paint film. Colder temperatures can negatively impact film formation. Application at temperatures less than 50° F/10°C is not recommended.

**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.
- Apply varnish as evenly and as smoothly as possible. Avoid heavy build-ups.
- Maintaining a wet edge when overlapping will yield the most even finish.
- Any visible brushstrokes can be minimized by brushing subsequent coats in the same direction as the prior coat.
- Utilizing the textures and borders within the mural can also assist in creating less visible brushstrokes. For example, mimicking brushstrokes or using some of the visual edges of the mural can reduce the appearance of brushstrokes.
- Do not over work.

**Recommended 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**

- Although the MSA Mural Varnish can be roller applied, caution is advised as rough surfaces can generate foam which can become trapped as the product dries, resulting in a haze on the surface of the mural that will not self-resolve. If applying with a roller, use as low a nap as possible for the surface to which the varnish is being applied.
- Consider a roller and brush combined approach, using the roller for faster application of the product to the wall, followed immediately by a brush over to ensure an even application with reduced opportunity for foam.
- Do not overwork.

**Spray Application is Not Supported** due to VOC regulations.

**Coverage:** 350-500 sq. ft. per gallon if applied by brush, depending on surface texture and absorbency.

**Recoat Time:** 3-6 hours, depending on atmospheric conditions.

**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**

Performance of the varnish is greatly dependent on the location of the mural and the degree of exposure to the elements. Varnished murals should be reviewed annually and a re-application of the varnish considered every 3-5 years due to the potential for natural erosion from the elements.

**Clean Up**

Clean all equipment immediately following application. GOLDEN MSA Mural Varnish should be cleaned from tools with solvent; CPWMV02 MSA Mural Formula Solvent is recommended. Following the use of solvent, clean with a 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**

Available in two sizes: 1 gal. / 3.78 l can and 4 gal. / 15.1 l pail.

For questions regarding this product, contact the GOLDEN Materials and Applications Department: [help@goldenpaints.com](mailto:help@goldenpaints.com).

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**WARNING:** Flammable liquid and vapor. Causes mild skin irritation. May cause an allergic skin reaction. Causes eye irritation. Suspected of causing cancer. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed. Avoid breathing fume/vapors/spray. Wash hands with soap and water thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Wash contaminated clothing before reuse. FIRST AID: IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. IF exposed or concerned: Get medical advice/attention. If skin irritation or a rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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

CPWMV04 MSA Mural Varnish w/UVLS (Semi-Gloss)

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight per Gallon (in lbs)	Gardner Cup	8.05
Specific Gravity	Calculated	0.96
Typical Weight Solids	Calculated	25.8%
Typical Volume Solids	Calculated	23.2%
Consistency/Appearance	Visual Observation	Slightly yellow translucent liquid
pH (initial)	pH Meter	NA
Viscosity	Brookfield RVT	90 – 300 cP (spindle 4, 100 rpms)
Odor	Subjective	Distinct aromatic odor
Gloss/Sheen (85°)	Glossmeter	45-65
Base Polymer	Known	Butyl methacrylates
Flash Point	Closed Cup	43°C/109°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
Clean Up	Recommendation	CPWMV02 MSA Mural Formula Solvent (VOC Compliant)
Coverage Per Gallon	Recommendation	350 – 500 sq. ft. / gal

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**CPWMV05 MSA Mural Varnish w/UVLS (Satin)**

<b>Physical/Performance Property</b>	<b>Test Method</b>	<b>Typical Result</b>
Weight per Gallon (in lbs)	Gardner Cup	8.07
Specific Gravity	Calculated	0.97
Typical Weight Solids	Calculated	25.3%
Typical Volume Solids	Calculated	22.3%
Consistency/Appearance	Visual Observation	Slightly yellow translucent liquid
pH (initial)	pH Meter	NA
Viscosity	Brookfield RVT	90 – 300 cP (spindle 4, 100 rpms)
Odor	Subjective	Distinct aromatic odor
Gloss/Sheen (85°)	Glossmeter	14-20
Base Polymer	Known	Butyl methacrylates
Flash Point	Closed Cup	43°C/109°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
<b>Physical/Performance Property</b>	<b>Test Method</b>	<b>Typical Result</b>
Application Temperature	Recommendation	65° F to 75° F/18°C to 24°C (best results)
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Clean Up	Recommendation	CPWMV02 MSA Mural Formula Solvent
Coverage Per Gallon	Recommendation	350 – 500 sq. ft. / gal

**Environmental & Transportation Information**

VOC: < 500 g/l

Disposal: This material and its container must be disposed of as hazardous waste. Do not discharge into drains, water courses or onto the ground. Dispose of contents/container in accordance with local/regional/national/international regulations.

Agency	Proper Shipping Name	UN Number	Hazard Class	Packing Group	Additional Shipping Information
DOT	PAINT	1263	3	III	Marine Pollutant
IATA	PAINT	1263	3	III	Environmental Hazard
IMDG	PAINT	1263	3	III	Marine Pollutant

**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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