

Golden Mural Paints

Mural Isolation Coat (Gloss)

CPWMV10-8

Technical Data Sheet – Page 1 of 2

Description

CPWMV10-8 Mural Isolation Coat (Gloss) is a permanent, non-removable coating that separates the paint surface from a removable varnish, protecting the surface if the varnish is ever removed for cleaning and conservation purposes. Optimum for use under Golden Paintworks Mural MSA Varnish. It is important to use gloss products as an isolation coat because satin or matte products can reduce the clarity of the piece and potentially leave a cloudy or dusty look. Another purpose of the Isolation Coat is to even the absorbency of the surface before the varnish is applied.

Key Features

- Translucent under layer for removable varnish
- For use over finished mural projects before applying MSA Mural Formula Varnish
- Formulated for roller application
- Ready to use
- Water clean up

Surface Considerations

Make sure paints are sufficiently dry before application

Environmental Considerations

The climate and surroundings are important factors of application methods and planning. The ideal temperature range for best results is 65° F-75° F / 18°C -24°C. High temperature and low humidity will reduce working time. High winds are not suitable for proper working conditions: the surface will dry too quickly to brush apply and a spray application will result in an uneven application with uncontrollable over-spray.

DIRECTIONS: Stir before using. Apply with brush or spray on clean, dry surface. May be thinned with water to adjust application consistency. Subsequent coats may be applied if desired. See below for further details

Brush Application

- Use a soft synthetic brush that loads well and holds its shape, to help minimize brushstrokes.
- One to two coats are required, at times*, more may be necessary.
- Utilizing the textures, shapes, and borders within the mural can also assist in creating a less visible isolation coat. For example, following some of the visual edges of the mural can reduce the appearance of isolation coat brushstrokes.

*Once the first coat is dry look at the surface at an angle for an even sheen, if the surface is not even, then another coat should be applied."

Roller Application

- If applying to a smooth surface, apply with a foam roller.
- If applying to a textured surface use a heavier nap (3/8 inch) roller.
- Spread the Isolation Coat evenly in a thin layer to avoid dripping
- DO NOT OVERROLL.

Spray Application

- Spray equipment:
 - HVLP/Cup Gun: Titan TS 40P or equivalent, Needle/Tip: 17/100 Vapor 19000 or equivalent, 40 psi, Needle/Tip: 1.4mm
- To avoid sagging, do not apply at more than 4 mils wet.
- Two to three coats should provide substantial coverage, although more may be applied if necessary.
- BE AWARE of surroundings: over-spray of product may drift into unwanted areas. When working outdoors, be aware of parked cars, pedestrians, and architecture so that over-spray does not create unwanted coatings on these nearby objects.

Application Tip

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.

NOTE: Wet state film application has a milky haze. Clarifies when dry.

Coverage: 250 - 400 sq. ft. / gal

Recoat Time: 2-4 hours

Dry Time:

- Let dry 12 hours before re-coating.
- It is best to allow the isolation coat to dry at least one day before applying a varnish.
- Full hardness is developed in 2 - 4 weeks
- Minimum film formation temperature is 49° F / 0° C.
- Air movement and exchange will assist in proper drying.
- Cold weather & high humidity will slow down cure time.
- 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.

Clean Up

Clean your skin and equipment immediately after use with soap and warm water. Consult with local authorities for methods of disposal.

Storage

- Store between 50° - 80° F.
- Avoid freezing.

Packaging

128 fl. oz. / 3.78 l

HEALTH & SAFETY: Always use safe work practices. Avoid ingestion, excessive skin contact, and inhalation of spraying mists, sanding dusts, and concentrated vapors.

Any questions or concerns regarding the proper use or application, please call GOLDEN at (800) 959-6543.

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Note: Breathability is important to the successful adhesion of acrylic products. If a mural encompasses an entire wall made of a masonry product, it is advisable to apply thin coats of MSA Varnish. This will allow interior condensation and evaporating solvents and out-gassings to escape (some artists recommend leaving an uncoated breathing space near the edge of the mural as well). If this is not done, it may lead to premature adhesion failure between the coatings and the surface.

Physical/Performance Property	Test Method	Typical Result
Weight per Gallon (in lbs)	Gardner Cup	8.75
Specific Gravity	Calculated	1.05
Typical Weight Solids	Calculated	21%
Typical Volume Solids	Calculated	19%
Consistency/Appearance	Visual Observation	White Liquid
pH (initial)	pH Meter	8.7 – 9.3
Viscosity	Brookfield RVT	1,000 – 3,000 cP (spindle 5, 100 rpms)
Odor	Subjective	Slight ammonia
Gloss/Sheen (85 degrees)	Glossmeter	15 - 50 (85 degrees)
Base Polymer	Known	100% Acrylic
Flash Point	Closed Cup	None (water based)
Freeze/Thaw Stability	Lab Test	Pass: 5 Cycles
Shelf Life	Lab Test	Expect 2 Years @ 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	Excellent at 4 - 6 hrs. drying
Application Thinner	Recommendation	Thins with water
Clean Up	Recommendation	Warm, soapy water
Coverage Per Gallon	Recommendation	Highly dependent on application technique and substrate. Approx. 300-450 sq.ft./gal.

Environmental & Transportation Information

VOC: < 50 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.

TDS Number: TDS422

Date of Issue: April 25, 2019

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