

# MMA 50 (400 VOC)

PRODUCT CODE: 004-M5040

## 400 VOC CONCENTRATED 50% SOLIDS METHYL METHACRYLATE

### PRODUCT DESCRIPTION

**MMA 50 (400 VOC)** is a concentrated 50% solids methyl methacrylate that can be diluted with compatible exempt voc solvents such as acetone, T-Butyl Acetate or PCBTF to the desired solids content that provides a low VOC, high gloss, fast drying, non-yellowing, sealer for most concrete applications. **MMA 50 (400 VOC)** offers improved resistance to rain, the sun, freezing temperatures, stains, and other pollutants that sometimes can be hazardous to concrete. **MMA 50 (400 VOC)** can be considered an ultimate multi-use concrete sealer that has better chemical, weatherability and wear resistance than the normal acrylic sealers that are commonly used in the industry.

### BENEFITS/FEATURES

- ◆ Can be used as a means of dustproofing, sealing and protecting most concrete surfaces.
- ◆ Due to our 100% methyl methacrylate formula, this product will not yellow under ultraviolet exposure.
  - ◆ Fast drying time highly reduces the risk of trapped solvent or other types of moisture issues.
- ◆ Concentrated formula reduces shipping costs and provides the end user with multiple options for a customized formulation.

### RECOMMENDED APPLICATIONS

**MMA 50 (400 VOC)** is recommended for use on Stamped Concrete, Stenciled Concrete, Acid Stained Concrete, Overlaid Concrete, Exposed Aggregate Concrete, Broom Finish Concrete, and Trowel Finish Concrete. Other uses may be acceptable.

### TECHNICAL INFORMATION

Solids.....	50%	Wet Appearance.....	Clear to lightly cloudy
Drying Time.....	30 min. - 1 hour	Dry Appearance.....	Clear and High Gloss
Re-Coat Time.....	4 - 24 hours	VOC Content.....	<400 g/l
Foot Traffic.....	4 - 6 hours	Blush Resistance.....	Good
Wheel Traffic.....	24 - 48 hours	Solvent Resistance.....	Recoverable in most instances
Application Temp.....	40°F - 85°F	Concrete Adhesion.....	Excellent

\*\*\*Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

### SPECIFICATIONS/COMPLIANCES

DRIED COATING IS USDA ACCEPTED

### APPROXIMATE COVERAGE RATES

<u>Application Surface</u>	<u>First Coat</u>	<u>Optional Second Coat</u>
New (unsealed) concrete	250-350 ft <sup>2</sup>	400-400 ft <sup>2</sup>
Old (sealed) concrete	400-400 ft <sup>2</sup>	400-400 ft <sup>2</sup>

\*Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

### SHELF LIFE

**MMA 50 (400 VOC)** has a shelf life of up to two years in it's original, sealed, unopened container.

### PACKAGING

**MMA 50 (400 VOC)** is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

**SURFKOAT™**

### SURFACE KOATINGS, INC.

134 Davis St. Portland, TN 37148  
 Phone: (615) 323-9461 Fax: (615) 323-9816  
 Visit us online at: [www.SurfKcoat.com](http://www.SurfKcoat.com)

LOW VOC SEALERS

MMA 50 (400 VOC)

## INSTRUCTIONS FOR USE

**SURFACE PREPARATION:** Concrete surface must be clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If moisture is present or if the surface is not clean and free of all contaminants, the sealer may have white spots and have premature delamination and failure.

Substrate temperature must be no less than 40 degrees F and not exceed 80 degrees F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing.

**MIXING:** Add the compatible solvent to reduce the solids content to the desired range and slowly stir well for 3 - 5 minutes before using. Allow product to sit for 5 - 10 minutes if too much air is induced during the mixing step and slowly stir with a paddle to release entrapped air before applying. Material may separate during long term storage so mix before next usage.

**APPLICATION:** Apply the finished diluted product using a 3/8" – 1/2" nap roller cover using long even uniform strokes at approximately 250-400 square feet per gallon depending on porosity and texture of substrate. A Chapin style solvent resistant sprayer may be used as well. Do not allow to Puddle! Thick or puddle areas may prevent the solvent from evaporating and may be susceptible to moisture intrusion which may cause milky white spots. Applying too thin may cause sealer to prematurely delaminate, flake or wear away. Allow sealer to dry for 24 hours for light traffic and at least 48 hours for heavy traffic. If applying two coats, wait approximately 4 – 6 hours between coats.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and inadequate film formation or performance expectations may be limited. DO NOT USE ON BRICK.

## CLEAN-UP

Use Xylene or Acetone. Dispose of containers in accordance with local and federal regulations.

## PRODUCT REMOVAL

Dried, cured sealer may be removed with a commercial paint stripper, such as *Nock-Off* or by using a diamond grinding method, sandblasting method or similar mechanical action.

## PRECAUTIONS AND LIMITATIONS

- ▶ **MMA 50 (400 VOC)** will not freeze during storage, however, allow temperature to rise to 50 degrees F prior to application.
- ▶ All HVAC ventilation ducts should be somehow blocked prior to application so solvents fumes are not distributed.
- ▶ Keep away from open flames. **MMA 50 (400 VOC)** is flammable and is very susceptible to ignition.
- ▶ It is not recommended to apply **MMA 50 (400 VOC)** over carpet, tile, and other types of floor adhesives.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **MMA 50 (400 VOC)** was designed for concrete and to be applied in two thin coats, not one thick coat.
- ▶ Please be aware that this product when cured may be slippery when wet.
- ▶ **MMA 50 (400 VOC)** may darken the surface of many new and existing concrete slabs. Test prior to use.

## SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-323-9461.

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