

MATTE 50

liquid matting agent for solvent based acrylic sealers

MISCELLANEOUS PRODUCTS



Matte 50 is an easy to use, pourable, concentrated liquid matting agent additive for addition to solvent based acrylic sealers to reduce gloss levels. Satin or matte finish gloss levels are easily achieved by adding Matte 50.

Key Features & Typical Benefits

- Provides satin or matte finish to solvent based sealers when desired.
- Economical choice when a satin or matte finish solvent based sealer is required.
- Excellent suspension characteristics provide universal compatibility without a viscosity increase.
- Reduces inventory costs and allows for more floor space as opposed to offering gloss and matte sealers.
- Contains 0 g/L VOC content making this product legal for sale to all regions of the US and Canada.

Recommended Applications

- Effective on applications such as...
- Stamped Concrete
 - Broom Finished Concrete
 - Acid Stained Concrete
 - Patios
 - Driveways & Sidewalks
 - Many other interior and exterior concrete where a satin or matte finish solvent based sealer is desired.



Specifications / Compliances

- Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	N/A
Dry Time - Tack Free	Depends on sealer used
Dry Time - Foot Traffic	Depends on sealer used
Dry Time - Heavy Traffic	Depends on sealer used
Re-Coat Time Window	Depends on sealer used
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	0 grams/Liter
Appearance - Wet	Cloudy White
Appearance - Dry	Clear Sand - Satin or Matte Gloss

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

Metropolitan Concrete Products
 6581 Metro Parkway
 Sterling Heights, MI 48312
 Office: (586) 264-3370

Refer to msds prior to use.

Matte 50

Application Instructions

SURFACE PREP: 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 and air temperature must be no less than 40° F and not exceed 80° F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150° F which can cause extreme bubbling issues. Low VOC solvent based sealers dry faster than traditional 700 VOC sealers. Apply on cool, overcast days to avoid issues. Do not apply if the temperature is expected to achieve 85° F or higher.

MIXING: Add desired amount of Matte 50 to solvent based acrylic sealer and stir with a drill mixer for approximately 2 - 3 minutes or until homogenous, prior to application. Stir lightly periodically during application to ensure an even gloss level. Failure to do so may result in a streaked finish with varying gloss levels. Remix any material left over with a drill mixer before applying. Matte 50 is a flammable liquid. An approved respirator, safety goggles, and gloves are recommended.

FOR PERSONAL PROTECTION USE GLOVES, GOGGLES, AND RESPIRATORS

Suggested addition levels

Satin Finish - add 1 pint per 5 gallon of 25% solids acrylic sealer

Matte Finish - add 2 pints per 5 gallon of 25% solids acrylic sealer

*Addition levels may vary for different sealer formulations. Reduce or add Matte 50 volumes as needed for desired gloss level. Test prior to full application for desired gloss reduction.

CAUTION: For new and/or unsealed concrete, first apply a "primer coat" of sealer without Matte 50. A sealer with Matte 50 could penetrate in and leave a white powder on the surface if applied to an unsealed substrate. Always test prior to full application to determine if a primer coat is needed.

COVERAGE RATE:

*Coverage rates vary depending upon surface porosity, texture, and application method. Also depending upon amount used per gallon of coating. Note that no more than 6 ounces per gallon should be used.

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. Spraying is not a recommended application method.

Precautions and Limitations

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied in the second of two medium-light coats, not one heavy coat.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- This product will not make sealer resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- This product can be applied to most sealer applications but may be incompatible to some. Test prior to use.
- SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

CLEAN-UP: Use xylene. Dispose of containers in accordance with local, state and federal regulations.

PRODUCT REMOVAL: Refer to sealer data sheet.

SHELF LIFE: Up to one year from manufacture date in its original, unopened container stored at room temperature.

PACKAGING: Available in 1 pint containers.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.