

# CoatMasters®

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## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION:

CoatMasters (Matte) Sealer is an advanced low VOC formulation designed for use as a film forming coating containing a proprietary blend of nano based micronized matting agent, which also acts as an impregnating sealer based on its deep penetrating characteristic for coating concrete and for any type of cementitious surfaces. This water-based system is made up of advanced polymeric blends of modified silicon acrylic, suitable for use on various grades of alkaline mineral substrates. The product is used for treating porous and non-porous surfaces, and can be applied on precast concrete, precast GFRC/other fiber reinforced concretes, clay roof tiles, exterior plaster, calcium silicate brick, light concrete, natural stone, clay brick, and terracotta.

CoatMasters (Matte) Sealer provides long lasting protection against common household liquid stains, while maintaining its matte sheen appearance, greatly reduces efflorescence build-up, by acting as an impregnating sealer, provides anti-graffiti protection (sacrificial) for cleaning and recoating, has quick dry time, with excellent “hydrolytic” stability for moisture resistance, and the surface film is breathable and has excellent recoating properties. In addition, CoatMasters Sealer also exhibits excellent adhesion to other substrate materials used in combination such as metal, wood, and plastic.

### TECHNICAL DATA:

Appearance of Liquid: Opaque milky liquid

Specific Gravity: 1.014 – 1.018

pH: 8.5 – 9.5

Freeze thaw limit stability: 0°C / 32°F

Shelf Life: 1-Year

Meets Federal and State VOC limit requirements for volatile organic components (VOC).

Complies with the South Coast Air Quality Management District (SCAQMD) VOC limit as a water-based sealer.

### AREA COVERAGE:

Various substrates have different porosity conditions, and the estimated coverage spread for a gallon is based on actual testing. Actual test results may vary depending on actual porosity condition of the substrate applied. The list below provides the area coverage in square feet (sq. ft.) for 1-gallon of CoatMasters Gloss/Matte Sealer.

Precast and Light Concrete: 125 – 150 sq. ft.

Clay Roof Tiles: 200 – 250 sq. ft.

Exterior Plaster: 150 – 175 sq. ft.

Calcium Silicate Bricks: 100 – 150 sq. ft.

Clay Bricks: 150 – 200 sq. ft.

Natural Stone: 80 – 100 sq. ft.

Terracota: 150 – 200 sq. ft.

### SURFACE PREPARATION:

The surface to be applied must be free from any dirt or any type of foreign materials that will impair bonding to substrate. CoatMasters (Matte) Sealer, after curing, will not cause any adhesion failures on other top coating films, always test to ensure compatibility. CoatMasters Matte Sealer can be applied on either dry or slightly damp surfaces. However, excessive moisture can affect film forming performance thus reducing film integrity. For best results thoroughly, clean surfaces.

Use of material requires knowledge of standard safety practices and good protection for areas being applied. Keep children and pets away from work area. Maintain good air ventilation if used indoors. The material is ideally applied in fairly ambient temperatures below 100°F. If planned to use in warmer conditions, spray application would help ensure better spread coverage. Not recommended to be applied on temperatures below or near freezing temperatures 32 °F (0 °C). This will cause the liquid to freeze.

#### **PRODUCT APPLICATION:**

The material can be applied by brush, roller, or spray. For spray applications, the product can be both applied either by spray atomization or airless techniques. Please follow recommended spray pressure application and optimize when desired coating is achieved when using either fan or cone tips.

Atomized Sprayers: 30 – 50 PSI inlet air pressure

Airless or Assisted Air Sprayers: Max 50 PSI for inlet air to provide 10 PSI spray on tip

Always maintain good saturation of the substrate, depending on the porosity successive coatings may be needed to ensure good penetration. Do not over coat when material over runs the substrate, this is a sign of saturation.

#### **STORAGE AND DISPOSAL:**

The product must be stored in a cool and dry place, always seal container after using. The shelf-life of the product is at least 1-year in 77°F storage condition, and longer depending on conditions. Avoid allowing the material to freeze. Before using, mix the product thoroughly until homogenous in appearance. Empty containers must be disposed according to your local city, state, and federal guidelines. Do not throw liquid portions to any drains/storm drains, avoid spills, and always protect the environment.

#### **PACKAGING:**

The product is available is available in 1-gallon F-type containers, 5-gallon pails, and 55-gallon drums (1-gal net = approx 8.30 lbs).

#### **TECHNICAL SUPPORT:**

Technical service support is available to answer any questions regarding other product performance characteristics, safety, and product application with no obligation. Please call (951) 413-0240 and ask for Technical Service Support. 8AM – 5PM, PST.

#### **DISCLAIMER:**

The information and recommendations made are on our own studies and research that are believed to be accurate. However, no guarantee of their accuracy is given mainly due to various variations caused by actual application and substrate conditions the material is used. The customer must conduct their own appropriate testing to ensure compatibility, and suitability for all its intended use.