

“Sealers formulated for concrete application, environmentally engineered to provide the highest performance characteristic in protecting various cementitious based surfaces”.

Product Information

IMRAE **CoatMasters® Gloss & Matte** sealers are manufactured based on special modified silicon acrylic systems, which exhibit high water repellency upon cure, provide long term protection from efflorescence, and provide additional stain resistance.

IMRAE **CoatMasters® Gloss & Matte** sealers exhibit quick drying thus immediately developing desired finish, non-yellowing, and provide excellent protection from various water solutions, acids, alkalis, fumes, and ultraviolet degradation.



IMRAE **CoatMasters®** Sealers are breathable and available in Gloss and Matte finishes.

Meets ASTM Test on Coat Film Performance Characteristics

- ASTM D0968 Abrasion Resistance (Method A)
- ASTM D2369 Wt. Total Solids (28-30%)
- ASTM D0714 Blistering Test (100% Passed)
- ASTM D2243 Freeze Thaw Resistance (Passed)
- ASTM D2794 Impact Res. (60 lbs/in² - Passed)
- ASTM C-309 Liq. Membrane Forming (T1-Passed)
- ASTM C-1315 Special Prop for Curing (T1-Passed)
- ASTM D-1309 Test for Settling (Passed)
- ASTM D3363 Pencil Hardness Test (2H)
- ASTM D1630 Dry Time
 - 5-10 minutes – tack free
 - 1 – 2 hrs – dry hard
 - 16-24 hrs – dry through

Environmentally and Regulatory compliant water based emulsions.

Growing environmental consciousness and official regulations demands low VOC or no-VOC on various types of coatings in general. **CoatMasters® Gloss & Matte** sealers are designed to have very low VOC's, thus meeting Rule 1113 of the South Coast Air Quality Management District's requirement for Waterproofing Concrete / Masonry Sealers of 100 grams/liter maximum which took effect on July 1, 2006

Performance Characteristics

Additional benefits when used as a concrete sealer:

- Eliminates efflorescence effect from cementitious compositions.
- Hard film resin and excellent adhesion provides “Anti-Graffiti” protection, cleanable by solvent and/or by high pressure washing.
- Provides excellent water repellency from water and salt water solutions.
- Reduces salt transmission and chloride ion penetration on rebars, thus providing additional corrosion protection.
- Excellent freeze thaw stability greatly reduces tendency for spalling.
- Does not contain any formulated glycols or similar solvents.
- VOC compliant < 100 grams / liter, meets AQMD Rule 1113 for concrete sealer coatings.

For more product information please review Technical Data Sheet (TDS), on coverage, preparation, and application. For handling, regulatory compliance, and disposal instructions please read Material Safety Data Sheet (MSDS) for details.



Product Packaging

All **CoatMasters® Gloss & Matte** sealer products are available in 1-gallon, 5-gallon, 55-gallon drum, and 220-gallon totes.

Disclaimer

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

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

CoatMasters (Gloss/Matte) Sealer is an advanced low VOC formulation designed for use as a film forming coating, 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 or other fiber reinforced concretes, clay roof tiles, exterior plaster, calcium silicate brick, light concrete, stamped concrete, concrete pavers, natural stone, clay brick, and terracotta.

CoatMasters (Gloss/Matte) Sealer provides long lasting protection against common household liquid stains, while maintaining its long term gloss shine appearance, greatly reduces efflorescence build-up by also 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, 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
Viscosity: 50-65 Kneb Units
Total Solids: 30% minimum (clear)
Specific Gravity: CM Gloss: 1.032 – 1.040;
CM Matte: 1.022 – 1.030

pH: 8.5 – 9.5

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

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 on typical smooth surfaces. 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.

Terracotta: 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 Gloss/Matte Sealer after curing will not cause any adhesion failures on other top coating films, always test to ensure compatibility.

CoatMasters Gloss/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 the 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 the material from freezing, before using mix the product thoroughly until appearance is 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 in 1-gallon F-type, 5-gallon, and 55-gallon drums (1-gal net = approximately 8.5 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 for Technical Service Support, 8 AM – 5 PM PST.