

CoatMasters®

A registered trademark of IMRAE Corporation

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

CM 4007 is an advanced low VOC formulation designed for use as an effective impregnating sealer for clay brick products for post or even during manufacture, and also for use in chemical injection to build up horizontal barriers. This water based system is based on clear silicon resin of low molecular weight, which is highly penetrating that provides additional resistance to molds, mildews, and fungus.

CM 4007 provides long lasting protection against water vapor permeability, and resistance to staining and/or color deterioration. The product will naturally protect color, and continuously provide a breathable porous substrate. Additional benefit includes excellent water repellency, greatly minimizes spalling, and has a very low odor for ease of application by brush, roll, flow, and/or spray.

TECHNICAL DATA:

Appearance of Liquid: Opaque milky liquid

Specific Gravity: 0.998 – 1.330

pH: 9.0 – 11.0

Flash point, °C / °F: 90 / 194

Active substance content: 25%

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 South Coast Air Quality Management District (SCAQMD) VOC limit.

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 CM 4007.

Calcium Silicate Bricks: 100 – 150 sq. ft.

Clay Bricks: 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. CM 4007 after curing will not cause any adhesion failures on other top coating films, always test to ensure compatibility. CM 4007 can be applied on either dry or slightly damp surfaces. However, excessive moisture can affect impregnating performance thus reducing treatment efficiency. For best results use CM 1006 to thoroughly clean surfaces, recommended for rehabilitated and reconditioned surfaces.

Use of material requires knowledge of standard safety practices and good protection for areas being applied, keep off children and pets around the work area. Keep 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:

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 atleast 1-year in 77 deg 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 you local city, state, and federal guidelines. Do not throw liquid portions to any drains, avoid spills, and always protect the environment.

PACKAGING:

The product is available is available in 1-gallon F-type, 5-gallon, and 55-gallon drums.

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 Pacific time 8 AM – 5 PM.

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 its appropriate testing to ensure compatibility, and suitability for all its intended use.