

# CoatMasters®

A registered trademark of IMRAE Corporation

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION:

CM 2007 is an advanced low VOC formulation designed for use as an impregnating system and functions as a water repellent for treating masonry surfaces. This water based system is made up of advanced oligomeric silicon based emulsion mixtures suitable for use on various grades of alkaline mineral substrates. This is very ideal for treating porous building materials on various surfaces of newly constructed, rehabilitated, or restored conditions. The product can be applied on precast concrete, clay roof tiles, exterior plaster, calcium silicate brick, light concrete, natural stone, clay brick, and terracotta.

CM 2007 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 benefits include excellent water repellency, greatly minimize spalling, and have 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: 1.005 – 1.009

pH: 7.5 – 8.5

Flash point, °C / °F: 90 / 194

Active substance content: 80%

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 2007.

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. CM 2007 after curing will not cause any adhesion failures on other top coating films, always test to ensure compatibility. CM 2007 can be applied on either dry or slightly damp surfaces. However, excessive moisture can affect impregnating performance thus reducing treatment efficiency.

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 no over coat when material over runs the substrate, this is a sign of saturation.

### **STORAGE AND DISPOSSAL:**

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 (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 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.