

CoatMasters®

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TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

CM 7007 Dampproof and Waterproof Coating is a vapor coating retarder that can be applied on new precast concrete. The product is a mixture of emulsified acrylic (min. 50% post-consumer) and bituminous polymers of low VOC designed for above and below grade coating applications on concrete, stucco, masonry type substrates, modified bitumen, and rigid polyurethane foam ply, and rigid PVC materials. This modified acrylic and bituminous coating also provides excellent adhesion on incidental applications on metal and wood substrates. This product is breathable for concrete.

CM 7007 Dampproof and Waterproofing Coating is a high solids system and provides a seamless durable coating, superior adhesion and flexibility to a variety of substrates, contains fungicide and mildewcide protection, UV protection, and heat reflective properties saving cooling costs, and provides water resistance and vapor permeability. It comes in a standard gray color and can be color matched to any darker colors.

TECHNICAL DATA:

Polymer Type: Acrylic-Bituminous Emulsion Polymer

Viscosity: 120 +/- 3 KU (Stormer)

Weight per Gallon (WPG): 10.20 +/- 0.20

Solids by Weight: 50% (minimum)

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.

Hardness (ASTM C-836) Shore Type 00 Durometer

81

Hydrostatic Resistance (ASTM D-751) Method A, Procedure 1

36 psi (max head resisted)

Water Vapor Transmission (ASTM E-96) Procedure B, water method

1 coat: 7.8 grain/ hr-ft²

1 coat: 0.0039 gm/PA-hr-m²

1 coat: 18.7701 perm (inch-lb)

LEED POINTS CREDIT

MR Credit 4.1: Recycled Content: 10%, (post-consumer + 1/2 pre-consumer) - 1 Point

MR Credit 4.2: Recycled Content: 20%, (post-consumer + 1/2 pre-consumer) - 1 Point in addition to MR Credit 4.1

Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (based on cost) of the total value of the materials in the project.

MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally – 1 Point

MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally - 1 Point in addition to MR Credit 5.1

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials)

EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings - 1 Point

Do not exceed the VOC content limits established in South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

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 7007 Dampproof and Waterproof Coating.

General Smooth Concrete Surfaces: 40-60 square feet / gallon

Application Thickness: 20-30 mils DFT (dry-film thickness) in 1 coat, and can be applied in multiple coats of up to 3 coats, depending on desired vapor permeability protection.

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 7007 Dampproof and Waterproof Coating is specifically designed to have excellent adhesion properties with other Coat Masters product (please contact Technical Service Support for guidance), and does not provide warranty with other coating or paint products. Always check the test substrate for adhesion performance prior to completely applying the product, always test to ensure compatibility with other coating for other planned applications. CM 7007 Dampproof and Waterproof Coating must be used as-is, DO NOT THIN WITH WATER or OTHER SOLVENTS, do not contaminate or mix with unapproved material.

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 be used in warmer conditions, spray application would help ensure better spread coverage. Not recommended to be applied below 40 deg °F or when rain is imminent.

PRODUCT APPLICATION:

The product can be applied either by brush, roller or spray. For spray applications, the product can be both applied either by spray atomization or airless techniques. Please follow the spray equipment manufacturer recommendations for spray applications and optimize when the desired coating is achieved. For airless or air assisted sprayers we suggest to use 0.027 or 0.031 size tip and always maintain a uniform coating application.

Dry-to-Touch: 30 -60 min at 77 deg. F condition (For recoating application, the coating must be tacky and not sagging.)
Dry Hard: 24 hours

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 1-year at 77 deg F storage condition, and could be longer depending on conditions. Avoid the material from freezing, before using mix the product thoroughly until 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 5-gallon, 55-gallon drum, and 240-250 gallon totes only.

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 / contractor must conduct its appropriate testing to ensure compatibility, and suitability for all its intended use.