

CoatMasters®

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TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

CoatMasters 4007 Densifier-Hardener System is an advanced Nano-type penetrating formulation, used as a densifier and hardener applied on cementitious surfaces. Providing a natural look sheen finish with medium reflectivity, it can be tinted with proprietary colorants for custom finishes; designed for use as a Nano-based coating for concrete and for any type of cementitious surfaces. This water-based system is made up of advanced polymeric thermosetting blends, including lithium-based silicates as the active ingredient.

CoatMasters 4007 Densifier-Hardener System is 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 various concrete surfaces, including natural stone. It also exhibits adhesion to other substrate materials used in combination such as metal, wood, and plastic.

CoatMasters 4007 Densifier-Hardener System provides long lasting protection against common stain pollutants, greatly reduces efflorescence build-up, high-abrasion resistance, dustproof, non-yellowing, and provides anti-graffiti protection for cleaning, burnishing, and/or polishing. It has a quick dry time with excellent “hydrolytic” stability for moisture resistance, surface is breathable and has excellent recoating properties, as desired, to maintain sheen properties.

TECHNICAL DATA:

Appearance of Liquid: Opaque milky liquid

Total Solids: 20% minimum

pH: 9.5 – 10.50

Specific Gravity: 1.05 – 1.07 at 25°C

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 4007 Densifier-Hardener System.

New Concrete (Smooth): 400 – 800 sq. ft. (Note: Square coverage could vary depending on the porosity of the surface).

Precast and Light Concrete: 500 – 600 sq. ft.

Clay Roof Tiles: 800 – 1,000 sq. ft.

Calcium Silicate Bricks: 400 – 650 sq. ft.

Clay Bricks: 600 – 800 sq. ft.

Natural Stone: 300 – 400 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 4007 Densifier-Hardener System can be applied on either dry or slightly damp surfaces. However, excessive moisture can affect impregnating performance thus reducing treatment efficiency. For best results, thoroughly clean surfaces and keep moisture below 15% for best performance.

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 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. 8.80 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 intended use.