CMC Super Seal Clear Coat

Non-Yellowing, Acrylic Curing And Sealing Compound

Description

CMC Super Seal Clear Coat acrylic curing and sealing compound offers a 30% solids content. It is a clear, transparent, ready-to-apply, non-yellowing liquid compound formulated from special acrylic polymers and quick-evaporating solvents that effectively cures and seals freshly placed concrete. Once properly applied, CMC Super Seal Clear Coat provides a premium-grade film for superior moisture retention. This produces a hard, dense, high-compressive strength concrete.

Uses

CMC Super Seal Clear Coat is ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multi-level parking decks, driveways, and parking areas, wherever simultaneously curing and sealing exterior concrete surfaces. The use of CMC Super Seal Clear Coat on any exterior concrete is desired. The product creates a durable, long-lasting finish that has improved resistance to chemicals, oil, grease, de-icing salts, and abrasion. CMC Super Seal Clear Coat provides an attractive, low-sheen finish that enhances the natural appearance of the concrete.

Features & Benefits

- Permeable film allows moisture in cured concrete to evaporate.
- Provides a totally clear membrane for new and existing concrete that will not yellow.
- Provides a tough, non-yellowing, durable, uniform, moisture-impermeable, long-lasting film finish on exterior concrete surfaces.
- Cures, hardens, dustproofs, and seals freshly placed concrete simultaneously in one application.
- Produces a premium-grade film yielding superior moisture retention.
- Minimizes hair checking, cracking, dusting, spalling, and other defects common to improperly cured and uncured concrete.
- Provides improved resistance to chemicals, oil, grease, de-icing salts, and abrasion during construction.
- Provides an attractive sheen that enhances the natural appearance of concrete.
- Applies easily, dries quickly for less downtime.
- Permits easy cleanup and housekeeping, reduces floor maintenance costs.
- Meets U.S. EPA architectural coatings rule requirements.
- Minimizes excessive shrinkage.
- Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.

Directions For Use

Surface Preparation: Fresh (New) Concrete: Apply as soon as all surface water has disappeared and the concrete surface will not be marred by walking workers.

Existing (Old) Concrete: Concrete surface must be clean and dry with all stains, oil, grease, dust, dirt, and curing compounds removed prior to application.

Mixing: For optimum performance, gentle mixing or agitation is recommended. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY.

Application Method: Use a sprayer or short-nap roller to apply a uniform film. Avoid puddling in low areas. If puddles occur, brush or roll them out. A standard industrial-grade sprayer, such as a Chapin 19069, equipped with Viton fittings, a 0.5 GPM nozzle, and fan spray pattern, is recommended. Apply over the entire surface; avoid puddling in low areas.

Drying Time: Product dries quickly. Drying times will vary depending on application rate, temperature, humidity, and project conditions. Restrict foot traffic for at least four hours. Twelve hours is preferable.

Clean-Up: Clean tools after use with a solvent such as xylene and toluene.

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Technical Data

VOC Content: 653 g/L

Coverage

300 - 600 ft.2/gal. Coverage may vary due to porosity and condition of concrete.

Packaging

5 Gallon Pails
55 Gallon Drums

Specifications

- AASHTO M 148, Type 1, Classes A & B
- ASTM C 309, Type 1, Classes A & B
- ASTM C 1315, Type I, Class A
- USDA Accepted

Shelf Life

When stored indoors in original, unopened containers at temperatures between 40° - 90°F (4° - 32°C), optimum performance and best use is obtained within two years of date of manufacture.

Precautions

- Coating is to be applied without dilution or thinning. For exterior application only. Block all HVAC ventilation ducts which may spread product odor. Use with adequate ventilation and keep away from open flame. Surfaces treated with CMC Super Seal Clear Coat may become slippery under certain conditions.
- Product should not be applied during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which does not allow the film to form properly. Under these conditions, the film may peel, bubble, and/or turn white (blush). Surface temperature of the concrete must be between 40° – 90°F.
- Product should not be applied to concrete exposed to excessive moisture. Entrapped moisture in a solvent-based sealer may cause the film to peel and/or turn white (blush). Over application may result in the finished film appearing hazy or white.
- Product may be used on colored concrete, but mottling may occur. Do not use on dense or non-porous surfaces, i.e. brick, stone, etc.
- Concrete containing calcium chloride will remain dark longer when treated with this product. Concrete floors properly sealed with CMC Super Seal Clear Coat meet the requirements of ASTM C 1315, Section 8.8 – Adhesion: For ceramic tile adhesives that meet the requirements of ANSI A 136.1-1992. For any other specifications, applications, installations, etc., please obtain approval for use, from the manufacturer of the subsequent product/treatment being applied. These products may include, but are not limited to adhesives, mortars, tile cements, paints, coatings, penetrating treatments, etc. The specifier and user shall determine the suitability of product for specific application and assume all responsibility in connection therewith 55 Gallon Drums.

Health & Safety

Prolonged inhalation of vapors in excess of permissible exposure limits may result in symptoms of transient central nervous system depression. Direct contact with the product may result in irritation of the skin and eyes. Product vapors may also cause irritation. CMC Super Seal Clear Coat is combustible. Remove ignition sources prior to use. Empty containers may hold combustible vapors. Handle empty containers as combustible liquids. In the event of a spill, contain the product; apply absorbents and place in sealed containers. In the event of a fire, contain all run-off water. Refer to Safety Data Sheet for complete health and safety information.

LEED Information

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials