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CS-309™-25 OTC

Non-Yellowing, Acrylic Curing and Sealing Compound

DESCRIPTION

CS-309-25 OTC acrylic curing and sealing compound is a clear, transparent, ready-to-apply, non-yellowing liquid compound formulated with special acrylic polymers and VOC-exempt solvents that effectively cures and seals freshly placed concrete.

Once properly applied, CS-309-25 OTC provides a premium-grade seal for optimum moisture retention. This produces a hard, dense, high compressive strength concrete. CS-309-25 OTC will minimize hair checking as well as premature cracking, dusting, spalling, and other common defects that result when concrete is not properly cured. This easy-to-use compound dries quickly and protects the concrete during construction. It resists adhesion of mortar droppings and permits easier cleanup.

USES

CS-309-25 OTC is ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multi-level parking decks, driveways, and parking areas ... wherever you want to simultaneously cure and seal exterior concrete surfaces. The use of CS-309-25 OTC on any exterior concrete surface provides a durable, long-lasting finish that offers improved resistance to chemicals, oil, grease, de-icing salts, and abrasion. CS-309-25 OTC provides an attractive, glossy finish that enhances the natural appearance of the concrete.

For interior applications, specify and apply VOCOMP®-20 or VOCOMP-25 curing and sealing compound from W. R. MEADOWS.

FEATURES/BENEFITS

- Provides a totally clear membrane for new or existing concrete.
- Permeable film allows moisture in cured concrete to evaporate.
- Provides a tough, durable, uniform, premium-grade, long-lasting film on exterior concrete surfaces.
- Ultraviolet stable; non-yellowing under extreme exposure.
- Cures and seals freshly placed concrete simultaneously in one application.
- Produces a premium-grade seal, yielding optimum moisture retention.

- Minimizes hair checking, cracking, dusting, spalling, and other defects common to improperly cured or uncured concrete.
- Provides improved resistance to chemicals, oil, grease, deicing salts, and abrasion during construction.
- Produces a hard, glossy film that enhances the natural appearance of concrete.
- Applies easily ... dries quickly for less downtime.
- Permits easy cleanup and housekeeping ... reduces floor maintenance costs.
- VOC compliant.

PACKAGING

1 Gallon Cans (6 per Case)
5 Gallon Pails
55 Gallon Drums

COVERAGE

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

SHELF LIFE

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

SPECIFICATIONS

- AASHTO M 148, Type 1, Class A & B
- ASTM C 309, Type 1, Class A & B
- ASTM C 1315, Type I, Class A
- Complies with U.S. EPA, LADCO, and OTC maximum allowable VOC requirements.
- Dried film is USDA accepted

APPLICATION

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.

CONTINUED ON REVERSE SIDE...

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Existing (Old) Concrete ... Concrete surface must be clean and dry with all stains, oil, grease, dust, dirt, and curing compounds removed prior to application. ULTRITE® DEGREASER from W. R. MEADOWS is recommended for cleaning.

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 gal./min. nozzle, and fan spray pattern, is recommended.

Apply product as soon as all surface water has disappeared and the concrete surface will not be marred by walking workmen. Apply over the entire surface; avoid puddling in low areas.

For full application guidelines, please visit <http://www.wrmeadows.com/vocapp/>.

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

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.

Cleanup ... Clean tools after use with a solvent such as xylol, toluol, or SEALTIGHT® CLEANER from W. R. MEADOWS.

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. If odor is objectionable, use of DECRA-SEAL™ W/B or the VOCOMP® series from W. R. MEADOWS is suggested. Surfaces treated with CS-309-25 OTC may become slippery under certain conditions. To increase slip resistance, add SURE-STEP™ additive from W. R. MEADOWS to the product.

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 4° – 32° C (40° – 90° F).



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

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 CS-309-25 OTC 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.

HEALTH AND 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. **CS-309-25 OTC is flammable.** Remove ignition sources prior to use. Empty containers may hold flammable vapors. Handle empty containers as flammable 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 Material Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.2: Low-Emitting Materials – Paints and Coatings
- IEQ Credit 4.3: Low-Emitting Materials – Flooring Systems
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.