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(Supersedes June 2021)

CS-309™-30 OTC

Acrylic, Non-Yellowing Curing and Sealing Compound

DESCRIPTION

CS-309-30 OTC acrylic curing and sealing compound offers a 30% solids content and is designed for use on freshly poured concrete. 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, CS-309-30 OTC provides a premium-grade film for superior moisture retention.

USES

CS-309-30 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-309-30 OTC on any exterior concrete surface provides a durable, long-lasting finish that has improved resistance to chemicals, oil, grease, de-icing salts, and abrasion. CS-309-30 OTC provides an attractive, high sheen finish that enhances the natural appearance of the concrete.

FEATURES/BENEFITS

- Provides a totally clear membrane for 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 seal yielding superior 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, 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 ... reduces floor maintenance costs.
- Minimizes excessive shrinkage.
- Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.

PACKAGING

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, Classes A & B
- ASTM C 309, Type 1, Classes A & B
- ASTM C 1315, Type 1, Class A
- Complies with U.S. EPA, LADCO, and OTC Phase I and OTC Phase II maximum allowable VOC requirements

TECHNICAL DATA

VOC Content: 346 g/L

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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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 - 1 GPM nozzle, and fan spray pattern, is recommended. Apply over the entire surface; avoid puddling in low areas.

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 xylene, toluene, or SEALTIGHT CLEANER from W. R. MEADOWS.

PRECAUTIONS

FOR OUTSIDE/EXTERIOR APPLICATION ONLY. CS-309-30 OTC IS FLAMMABLE. KEEP AWAY FROM ALL OPEN FLAMES, SPARKS, IGNITION SOURCES, etc. Use with adequate ventilation and block all HVAC ventilation ducts which may spread product vapors - vapors are flammable and heavier than air. For existing, aged or cured concrete, TIAH® OTC or TIAH 100 from W. R. MEADOWS is recommended. If product odors are objectionable, W. R. MEADOWS recommends using a water-based product, such as our DECRA-SEAL™ W/B or any of the VOCOMP® series products. CS-309-30 OTC must be applied without diluting or thinning. Surfaces treated with CS-309-30 OTC may become slippery under certain conditions. To increase slip resistance, addition of SURE-STEP™ from W. R. MEADOWS is recommended. CS-309-30 OTC should not be applied in direct sunlight, or in high temperature conditions. These conditions cause rapid evaporation, preventing proper film formation, which may cause the dried film to peel, bubble, become hazy, and/or turn white (blush). Surface temperature of the concrete must be between 40° – 90° F (4° – 32° C) at time of application to allow for proper film formation.

CS-309-30 OTC should not be applied to concrete exposed to excessive moisture. Entrapped moisture in a solvent-based curing and sealing compound may cause the film to peel and/or turn white (blush). Improper or over-application may cause the dried CS-309-30 OTC film to appear hazy and/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.

For any alternate adhesion specifications or requirements besides ASTM C1315, Section 8.8, secure the approval of the manufacturer of any paint, coating, carpet, adhesive, resilient flooring, floor topping, etc. (any type/composition of subsequent floor treatment) that will be applied over CS-309-30 OTC. Obtain this approval before applying the product over concrete previously applied with CS-309-30 OTC.

In states that have VOC regulations rules written based on OTC Phase II model for architectural coatings, this product is prohibited from use on existing, aged or cured concrete as a sealer, but still permissible for use on fresh concrete as a concrete curing and sealing compound.

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-309-30 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 Safety Data Sheet for complete health and safety information.

For most current data sheet, sustainability info, and SDS, visit www.wrmeadows.com.



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.