



CSI Code: 03 39 23

NO. 362-A

JULY 2010

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. 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 seal for superior moisture retention. This produces a hard, dense, high-compressive strength concrete. TIAH OTC is specially formulated to provide a low VOC content.

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, low sheen finish that enhances the natural appearance of the concrete.

PACKAGING

5 Gallon (18.93 Liter) Pails
55 Gallon (208.20 Liter) Drums

LEED INFORMATION

May help contribute to LEED credits:

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

FEATURES/BENEFITS

- 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 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 and housekeeping ... reduces floor maintenance costs.
- Minimizes excessive shrinkage.
- Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.

SPECIFICATIONS

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

CONTINUED ON REVERSE SIDE...

APPLICATION

Surface Preparation ... Existing Concrete:

Concrete surface must be clean and dry with all stains, oil, grease, dust, and dirt removed prior to application. Use ULTRITE® DEGREASER from W. R. MEADOWS for cleaning. *New Concrete:* CS-309-30 OTC should be applied when surface water has completely disappeared and the concrete surface will not be marred by walking workmen.

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, equipped with a neoprene hose and gaskets, as well as a 5941 spray tip (or equivalent) is recommended for best results. For optimum performance, apply first coat at 600 ft.²/gal. After the first coat has thoroughly dried, apply a second coat at 600 ft.²/gal. NOTE: The second coat should be applied at a right angle.

Drying Time ... CS-309-30 OTC dries quickly. Drying times may be extended depending on application rate, temperature, humidity and project conditions. Restrict foot traffic for at least four hours. Twelve hours is preferable.

Cleanup ... Application equipment should be cleaned promptly after use with xylene or toluene.

COVERAGE*

300-600 ft.²/gal. (7.37-14.73 m²/L)

*Coverage may vary due to porosity and condition of concrete

PRECAUTIONS

DO NOT DILUTE. FOR EXTERIOR APPLICATION ONLY. Surfaces treated with CS-309-30 OTC may become slippery under certain conditions.

CS-309-30 OTC 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). CS-309-30 OTC 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).

Do not apply CS-309-30 OTC if the temperature of the concrete is below 40° F (4° C). CS-309-30 OTC 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 CS-309-30 OTC. Concrete floors properly cured with CS-309-30 OTC meet section 8.9 "Adhesion of Tile Cements" of ASTM C 1315. For other specifications, secure the approval of the paint or resilient flooring manufacturer before applying CS-309-30 OTC.

HEALTH HAZARDS

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.

For most current data sheet, further LEED information, and MSDS, 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.