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(Supersedes September 2014)

CS-309™-30

Non-Yellowing, Acrylic Curing and Sealing Compound

DESCRIPTION

CS-309-30 acrylic curing and sealing compound is a high solids, 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 provides a premium-grade film for superior moisture retention and hydration to produce the designed strength of the concrete.

USES

CS-309-30 is ideal for application on exterior concrete surfaces, sidewalks, patios, multi-level parking decks, driveways, and parking areas ... wherever simultaneously curing and sealing exterior concrete surfaces. The product creates a durable finish that has improved resistance to chemicals, oil, grease, de-icing salts, and abrasion. CS-309-30 provides an attractive, high-gloss 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, durable, uniform, breathable, 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 an attractive sheen that enhances the natural appearance of concrete.
- Applies easily ... dries quickly for less downtime.
- Meets U.S. EPA architectural coatings rule requirements.
- When properly applied, helps reach designed concrete strength and minimizes excessive shrinkage.

PACKAGING

5 Gallon (18.9 L) Pails
55 Gallon (208.2 L) Drums

COVERAGE

300 - 600 ft.²/gal. Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

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
- USDA Accepted
- National EPA VOC Emission Standard for Architectural Coatings

TECHNICAL DATA

VOC Content: 653 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.

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

Application Method... Use a sprayer or short-nap roller to apply a uniform film. A standard industrial-grade sprayer, such as a Chapin 19069, equipped with Viton fittings, a 0.5 GPM nozzle, and fan spray pattern, is

CONTINUED ON THE REVERSE SIDE...

W. R. MEADOWS, INC.

P.O. Box 338 • HAMPSHIRE, IL 60140-0338
Phone: 847/214-2100 • Fax: 847/683-4544
1-800-342-5976
www.wrmeadows.com • info@wrmeadows.com

HAMPSHIRE, IL / CARTERSVILLE, GA / YORK, PA
FORT WORTH, TX / BENICIA, CA / POMONA, CA
GOODYEAR, AZ / MILTON, ON / SHERWOOD PARK, AB

recommended. Apply over the entire surface. Avoid puddling in low areas. If puddles occur, brush or roll them out.

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 VCOMP® series from W. R. MEADOWS is suggested. Surfaces treated with CS-309-30 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). The application temperature 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 CS-309-30 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. To prevent damage, quickly clean spills of solvent, gasoline, brake fluid, or other staining materials.

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 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:

- MRc9: Construction and Demolition Waste Management

For most recent data sheet, further LEED information, 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.