



W. R. MEADOWS®

SEALIGHT®

DATA SHEET NO. 3515-300

CS-309™-25

Non-Yellowing, Acrylic Curing and Sealing Compound (VOC-Compliant)

DESCRIPTION

CS-309-25 acrylic curing and sealing compound 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. The product contains 25% solids. CS-309-25 meets the 350 g/L VOC limit for concrete curing compounds.

Once properly applied, CS-309-25 provides a premium-grade seal for optimum moisture retention. This produces a hard, dense, high-compressive strength concrete. CS-309-25 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 permits easier cleanup.

USES

CS-309-25 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 on any exterior concrete surfaces provides a durable, long-lasting finish that has improved resistance to chemicals, oils, grease, de-icing salts and abrasion. CS-309-25 provides an attractive, low sheen 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 that will not yellow.
- Provides a tough, durable, uniform, long-lasting film on exterior concrete surfaces.
- 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

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.

PACKAGING

3.78 litre pails, 18.9 litre pails, 205 litre drums

COVERAGE

7.35 – 14.7 m²/L (300 – 600 ft.²/U.S. gallon)

Coverage may vary due to porosity and condition of concrete.

SPECIFICATIONS

- ASTM C309, Type 1, Classes A & B
- ASTM C1315 Type 1, Class A
- AASHTO M148, Type 1, Classes A & B
- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations

APPLICATION

Surface Preparation ... Apply as soon as all surface water has disappeared and the concrete surface will not be marred by walking workers. Surface to receive sealer must be dry and free of contaminants. Remove all stains or discolourations.

Application Method ... Apply using low-pressure sprayer. An 80° fan pattern spray tip rated at 1.8 L (1.0 gpm) provides an excellent even coating. Please contact sprayer manufacturer to ensure suitability of sprayer with 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).

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Apply product as soon as all surface water has disappeared and the concrete surface will not be marred by walking workmen. Apply evenly over entire surface; avoid puddling in low areas. Restrict foot traffic for at least four hours. Twelve hours is preferred.

Product should not be applied to concrete containing excessive moisture. Entrapped moisture in a solvent-based sealer may cause the film to peel and/or turn white (blush).

Additional coats may be applied once a previous coat has dried.

For optimum protection, apply a further coating of the product and/or apply a coating of HIAC™, or HIAC-PLUS
Note: Concrete must be a minimum of seven days old prior to the application of HIAC or HIAC-PLUS.

Note: In cases when product is applied to existing concrete surfaces (more than 28 days old), the variations in colouration of the sands and aggregate present in the existing surface may be enhanced, causing the surface to appear discoloured.

Drying Time ... Product 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 ... Clean tools after use with a solvent such as SEALTIGHT SOLVENT, xylene, or toluol.

PRECAUTIONS

For industrial use only. Apply without dilution or thinning VOC content of the product. FOR EXTERIOR APPLICATION ONLY. Surfaces treated with CS-309-25 may become slippery under certain conditions. CS-309-25 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-309-25 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-309-25 if the temperature of the concrete is below 4° C (40° F). CS-309-25 may be used on coloured 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-309-25. Concrete floors properly cured with CS-309-25 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-309-25. The specifier and user shall determine the suitability of product for specific applications and assume all responsibility in connection therewith.

NOTE: In cases when CS-309-25 is applied to existing concrete surfaces (more than 28 days old), the variations in coloration of the sands and aggregate present in the existing surface may be enhanced causing the surface to appear discoloured.

HEALTH AND SAFETY

Prolonged inhalation of vapours 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 vapours may also cause irritation. **CS-309-25 is flammable.** Remove ignition sources prior to use. Empty containers may hold combustible vapours. 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 Material Safety Data Sheet for complete health and safety information.

MASTERFORMAT NUMBER AND TITLE

03 39 23 - Membrane Concrete Curing

LEED INFORMATION

May help contribute to LEED credits:

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

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

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