



MasterFormat: 03 39 23

AUGUST 2023  
(Supersedes May 2020)**CC-309-1WS™****Water-Based, Resin-Based Concrete Curing Compound****DESCRIPTION**

CC-309-1WS water-based concrete curing compound is formulated from hydrocarbon resins. Once applied, it forms a membrane that retains an optimum amount of water present in freshly placed concrete to allow proper hydration of the cement. NOTE: After approximately four weeks, the membrane begins to chemically break down when exposed to UV rays. The membrane will eventually dissipate from the surface. This process is sped up by exposure to traffic and UV light, as well as weathering conditions.

CC-309-1WS meets the VOC content limit of 100 g/L for curing compounds and can be used on curbs and gutters, sidewalks, islands, driveways, and other miscellaneous concrete areas per SCAQMD Rule 1113.

**USES**

CC-309-1WS can be used on both interior and exterior applications. Typical applications include roadways, bridges, curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas. Paint, resilient tile, or resilient flooring may be applied on concrete cured with CC-309-1WS, once the product has dissipated and/or has been properly removed. Because of the wide variety of coatings, paints, adhesives, and toppings available, contact the manufacturer of the flooring system or subsequent coating or topping for application approval over concrete cured with resin-based curing compounds. A small test application is always recommended.

**FEATURES/BENEFITS**

- When properly applied, produces a premium-grade film, which optimizes water retention.
- Furnished as a ready-to-use, true water-based compound.
- Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting, and other defects.
- Enhances the functional capabilities of concrete by "sealing in" the performance assets of strength and durability.
- Offers a compressive strength significantly greater than improperly cured concrete.
- Increases tensile strength for greater resistance to cracking and surface crazing.
- Improves resistance to the abrasive and corrosive actions of salts and chemicals ... minimizes excessive shrinkage.
- Can be applied quickly and easily with conventional commercial spray equipment.
- VOC-compliant.
- Formulations also available with red fugitive dye added.

**PACKAGING**

5 Gallon (18.93 L) Pails  
55 Gallon (208.20 L) Drums  
275 Gallon (1040.99 L) Totes

**COVERAGE**

Approximately 200 ft.<sup>2</sup>/gal. (4.91 m<sup>2</sup>/L). 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 (4° - 32° C), optimum performance and best use is obtained within one year of date of manufacture.

**CONTINUED ON 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

## SPECIFICATIONS/STANDARDS

- AASHTO M 148, Type 1, Classes A & B
- ASTM C309, Type 1, Classes A & B (Type 1-D also available)
- Caltrans 2022 Standard Specification, Section 90-1.01C(5)
- Caltrans 2022 Standard Specification, Section 90-1.03B(3)(b) curing compound no. 4
- Complies with 2020 CARB SCM and SCAQMD Rule 1113 VOC regulations for concrete curing compounds

## TECHNICAL DATA

VOC Content: 42 g/L

## APPLICATION

**Mixing** ... For optimum performance, gentle mixing or agitation is recommended. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY. In the container, CC-309-1WS (without dye) appears ivory in color.

**Application Method**... Application equipment must be clean and free of any previously used materials. Apply in a uniform film to horizontal surfaces as soon as the surface water disappears and the surface will not be marred by walking workmen. On vertical surfaces, apply promptly after the forms are removed. CC-309-1WS may be applied with a typical commercial hand or power sprayer, such as a Chapin 1949. Use a spray tip that produces a flow of 0.5 GPM (1.9 LPM) under 40 psi (.276 MPa) of pressure.

**Drying Time** ... CC-309-1WS dries in approximately 1 ½ hours. Drying time may vary, depending on application rate, temperature, humidity, and project condition. Restrict foot traffic for at least four hours. Twelve hours is preferable.

**Cleanup** ... Prior to drying, clean up can be accomplished with soap and water. Once dried, it will be necessary to clean up with mineral spirits or other suitable petroleum distillate.

## LIMITATIONS/PRECAUTIONS

KEEP FROM FREEZING. Do not apply if concrete temperature is less than 40° F (4° C). DO NOT MIX WITH COMPOUNDS CONTAINING SOLVENT – SEPARATION WILL OCCUR. DO NOT ADD OR DILUTE WITH ANY OTHER COMPOUND. SURFACE MAY DISCOLOR AND/OR YELLOW DUE TO OVER-APPLICATION. Do not paint or apply resilient flooring over any CC-309-1WS-cured surface without first checking specifications and securing the approval of the paint or resilient flooring manufacturer.

## HEALTH AND SAFETY

Direct contact may result in mild irritation. Refer to Safety Data Sheet for complete health and safety information.

For most current data sheet, sustainability information, and SDS, visit [www.wrmeadows.com](http://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.