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MARCH 2021
(Supersedes June 2013)**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 complete hydration of the cement.

CC-309-1WS meets the VOC content limit of 350 g/L for curing compounds for roads and bridges per SCAQMD Rule 1113.

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 long life.
- 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.²/gal. (4.91 m²/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.

SPECIFICATIONS

- AASHTO M 148, Type 1, Classes A & B
- ASTM C 309, Type 1, Classes A & B (Type 1-D also available)
- Caltrans System 4
- Complies with CARB and SCAQMD Rule 1113 VOC regulations

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. However, it dries to a clear, transparent coating with a slight amber tint.

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.

CONTINUED ON THE REVERSE SIDE...**W. R. MEADOWS, INC.**

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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.

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. For use on roadways and bridges only. (Not for use on curbs and gutters, sidewalks, islands, driveways, and other miscellaneous concrete areas.)

HEALTH AND SAFETY

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

LEED INFORMATION

May help contribute to LEED credits:

- EQc2: Low-Emitting Materials [For Healthcare and Schools (exterior-applied products) ONLY]

For most current 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

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