

PRODUCT DATA

W. R. MEADOWS®

SEALTIGHT®

CSI Code: 03 39 23

NO. 1140

JULY 2007
(Supersedes March 2005)

CC-309-1WS™

Water-Base, Resin-Base Concrete Curing Compound

DESCRIPTION

CC-309-1WS water-base concrete curing compound is formulated from hydrocarbon resins and may be used on interior, exterior, vertical and horizontal concrete surfaces. 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. NOTE: After approximately four weeks, the membrane begins to chemically break down. When the curing cycle is complete, the membrane will eventually wear off the surface. This process usually takes another three to five weeks under normal traffic, UV exposure and weathering conditions.

CC-309-1WS meets the maximum Volatile Organic Compound (VOC) content of 350 g/L for concrete curing compounds as required by the U.S. EPA Architectural Coatings Rule.

USES

CC-309-1WS has been used on both interior and exterior applications where paint, resilient tile or resilient flooring was applied later. Because of the wide variety of paints and adhesives for carpeting and resilient tile in use, contact the manufacturer of the flooring system for application approval over resin-type curing compounds. A small test application is also recommended.

PACKAGING

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

SPECIFICATIONS

- ASTM C 309, Type 1, Classes A & B (Type 1-D also available)
- AASHTO M 148, Type 1, Classes A & B (Type 1-D also available)
- CALTRANS System 4

FEATURES/BENEFITS

- When properly applied, produces a nearly impermeable 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.

TECHNICAL DATA

Drying Time ... Dries in approximately one and a half (1 ½) hours. Drying time may vary, depending on application rate, temperature, humidity and project condition. Restrict foot traffic for at least four (4) hours. Twelve (12) hours is preferable.

Flash Point ... Greater than 210° F (99° C).

CONTINUED ON REVERSE SIDE...

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APPLICATION

Preparation ... Application equipment must be clean and free of any previously used materials.

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 ... 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. May be applied with a typical commercial hand or power sprayer. Use a Chapin 5797 or equivalent spray tip that produces a flow of ½ gallon (1.89 L) per minute under 40 psi (.276 MPa) of pressure.

Coverage ... Approximately 200 ft²/gal. (4.91 m²/L).

Clean Up ... 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. If removal is necessary, use ULTRITE® DEGREASER from W. R. MEADOWS.

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

HEALTH HAZARDS

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

For MSDS or further assistance, please call 1-800-342-5976.



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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