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1100

Resin-Based, Water Emulsion Concrete Curing Compound

DESCRIPTION

1100 water-based concrete curing compound is formulated from hydrocarbon resins and may be used on interior, exterior, vertical, and horizontal concrete surfaces. Once applied, 1100 forms a premium-grade membrane that retains an optimum amount of water in freshly placed concrete for complete 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. This product is formerly known as 1100-CLEAR.

USES

1100 can be used on both interior and exterior applications. Paint, resilient tile, or resilient flooring may be applied on concrete cured with 1100, 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, 1100 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.
- Offers a compressive strength significantly greater than improperly cured or uncured concrete.
- Increases tensile strength for greater resistance to cracking and surface crazing.
- Improves resistance to abrasion and the corrosive actions of salts and chemicals.
- Minimizes excessive shrinkage.
- Can be applied quickly and easily with conventional commercial spray equipment.
- Formulations also available with red fugitive dye added (Type 1-D).
- VOC-compliant.

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 m^2/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 two years of date of manufacture.

SPECIFICATIONS

- AASHTO M 148, Type 1, Classes A & B (Type 1-D also available)
- ASTM C309, Type 1, Classes A & B (Type 1-D also available)
- Complies with all current federal, state, and local maximum allowable VOC requirements, including National EPA VOC Emission Standard for Architectural Coatings, CARB, LADCO, OTC Phase I and II, and SCAQMD.

TECHNICAL DATA

VOC Content by manufacturing location:

AZ, CA:	42 g/L
IL, GA, PA, TX:	278 g/L

CONTINUED ON REVERSE SIDE ...

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APPLICATION

Mixing... For optimum performance, gentle mixing or agitation is recommended. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY. DO NOT THIN.

Application Method... Application equipment must be clean and free of all 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. 1100 may be applied with a typical commercial hand or power sprayer, such as a Chapin 1949. Use a spray nozzle that produces a flow of 0.5 GPM (1.9 LPM) under 40 psi (.276 MPa) of pressure. An even spray pattern/application is essential to the aesthetic and final appearance of the concrete. Be mindful of clogged or partially clogged spray tips that spray 1100 in an uneven and uniform pattern. Do not allow the spray nozzle to drip on fresh concrete. Drips and uneven spray patterns apply higher concentrations of the film, which may cause the cement to hydrate at different rates. Removal of the film will not change the spray patterns mirrored in the concrete surface from the cement hydrating at different rates.

In certain conditions, 1100 may develop a slightly yellow tint during the curing process. For aesthetic reasons, this yellow tint may be undesirable. For applications where aesthetics is important during the curing process, W. R MEADOWS recommends the use of CRISTALLUM.

Drying Time... Typically dries in 1 - 2 hours, depending on jobsite conditions (temperature, % relative humidity, wind, etc.). Restrict foot traffic for at least four hours. Twelve hours is preferable.

Cleanup... Prior to drying, cleanup can be accomplished with soap and water. Once dried, use mineral spirits or other suitable petroleum solvent.

PRECAUTIONS

KEEP FROM FREEZING. Do not apply if air and/or concrete temperature is less than 40° F (4° C). Improper or over-application may increase the amount of time necessary for the film to dissipate from the surface. SURFACE MAY DISCOLOR AND/OR YELLOW DUE TO OVER-APPLICATION AND/OR MEMBRANE OXIDATION. DO NOT MIX OR DILUTE WITH ANY OTHER PRODUCTS OR LIQUIDS. Do not apply paint, resilient flooring, or any other subsequent coatings or toppings without first checking the specifications and securing approval from the manufacturer of the product being applied over concrete cured with 1100. A small test application is always recommended, prior to full-scale application. The 1100 membrane may take longer to dissipate if overapplied or has had limited exposure to UV light and environmental conditions, etc.

HEALTH AND SAFETY

Direct contact may result in mild irritation. Read and follow all application, precaution, label, and health and safety information prior to use. Refer to Safety Data Sheet for complete health and safety information.

For most current data sheet, sustainability 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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