

**1100-CLEAR**

## Resin-Base, Water-Base Concrete Curing Compounds

**DESCRIPTION**

The 1100-CLEAR series of water-base concrete curing compounds is formulated from hydrocarbon resins and may be used on interior, exterior, vertical and horizontal concrete surfaces. Once applied, 1100-CLEAR forms a liquid membrane that retains an optimum amount of water in freshly placed concrete to allow complete hydration of the cement. **NOTE:** After approximately four weeks, the membrane begins to chemically break down. The membrane will eventually dissipate from the surface. This process usually takes another 3 to 5 weeks under normal traffic, exposure to UV and weathering conditions.

The 1100-CLEAR series meets maximum volatile organic compound (VOC) content limits of 350 g/L for concrete curing compounds as required by the U.S. EPA Architectural Coatings Rule.

**USES**

The 1100-CLEAR series 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 coatings, paints, adhesives and toppings available, contact the manufacturer of the flooring system or subsequent coating or topping for application approval over resin-based curing compounds. A small test application is always recommended.

**FEATURES/BENEFITS**

- When properly applied, 1100-CLEAR produces an impermeable film which optimizes water retention.
- Furnished as a ready-to-use, true water-base 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 abrasion and the corrosive actions of salts and chemicals.
- Minimizes excessive shrinkage.
- Can be applied quickly and easily with conventional commercial spray equipment.
- Formulations are also available with red fugitive dye added.
- VOC compliant.

**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)

**PACKAGING**

5 Gallon (18.93 Liter) Pails

55 Gallon (208.20 Liter) Drums

*CONTINUED ON REVERSE SIDE...*

## TECHNICAL DATA

**DRYING TIME:** Dries in approximately 1 1/2 hours. Restrict foot traffic for at least four hours; 12 hours is preferable.

**FLASH POINT:** Greater than 210° F (99° C).

### Application Tools



Manual  
Sprayer



Power  
Sprayer

### APPLICATION:

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

**Mixing ...** For optimum performance, gentle mixing or agitation is recommended. **CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY.** In the container, the curing compound appears ivory in color; however, it dries to a clear, transparent coating with a very slight amber tint.

**Method of Application...** 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-CLEAR may be applied with a typical commercial hand or power sprayer. Use a Chapin 8005 or equivalent spray tip that produces a flow of 1/2 gallon (1.89 liters) per minute under 40 psi (.276 Mpa) of pressure.

**Coverage ...** Approximately 200 sq. ft./gal. (4.91sq. m/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 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 1100-CLEAR. A small test application is always recommended. If removal is necessary, use ULTRITE® DEGREASER.

### HEALTH HAZARDS

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

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### 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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