

GUIDE SPECIFICATION FOR MED-CURE™: CONCRETE CURING AID AND HARDENER

SECTION 03 35 00

CONCRETE FINISHING

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) Master Format '04. The section must be carefully reviewed and edited by the architect or engineer to meet the requirements of the project. Coordinate this section with other specification sections and the drawings.

Specifier Notes: MED-CURE concrete curing aid was specially formulated to supplement the W. R. MEADOWS line of curing compounds and provide the contractor with a good, general purpose curing aid for construction applications where economy is of prime importance. It contains no wax, resin or acids. MED-CURE is ideal for curing, hardening and dustproofing exposed concrete floor slabs, sidewalks, driveways, beams, columns, etc. It can be used to provide a hard, dust-free surface on concrete floors to be painted or covered by resilient, carpeted, wood, or synthetic flooring.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Application of clear, colorless, liquid concrete curing aid and hardener.

1.02 RELATED SECTIONS

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

- A. Section 03 00 00 - Cast-in-Place Concrete.

1.03 SUBMITTALS

- A. Comply with Section 01 33 00 - Submittal Procedures.
- B. Submit manufacturer's product data and application instructions.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store materials in a clean, dry area in accordance with manufacturer's instructions.
- C. Keep products from freezing.
- D. Avoid direct contact with this product as it may cause mild to moderate irritation of the eyes and/or skin.
- E. Protect materials during handling and application to prevent damage or contamination.

1.05 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply concrete curing aid and hardener when concrete temperature is below 35° F (2° C) or above 135° F (57° C).
- B. Do not apply to frozen concrete.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. W. R. MEADOWS, INC., PO Box 338, Hampshire, Illinois 60140-0338. (800) 342-5976. (847) 683-4500. Fax (847) 683-4544. Web Site www.wrmeadows.com.

2.02 MATERIALS

- A. Performance Based Specification:
 - 1. Concrete Curing Aid and Hardener shall be a ready to use, water-base colorless liquid formulated with chemically reactive raw materials that meets the maximum VOC content limits of 100 g/L.
- B. Proprietary Based Specification:
 - 1. Concrete Curing Aid and Hardener shall be MED-CURE as manufactured by W. R. MEADOWS.

2.03 RELATED MATERIALS

- A. Water: Potable water.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive concrete densifier and chemical hardener. Notify architect if surfaces are not acceptable. Do not begin application until unacceptable conditions have been corrected.

3.02 SURFACE PREPARATION

- A. Protect adjacent surfaces not designated to receive treatment.
- B. Ensure application equipment is clean and free of previously used materials.

3.03 APPLICATION

- A. Apply concrete curing aid and hardener in accordance with manufacturer's instructions.
- B. Do not dilute concrete curing aid and hardener.
- C. Fresh Concrete
 - 1. Apply concrete curing aid and hardener as soon as surface water has disappeared and the surface is dry to the touch or hard enough to walk on.
 - 2. Apply one even coat with a pressure hand sprayer or paint roller.
 - 3. Do not allow material to puddle on the surface.
- D. Existing Concrete

1. Clean and prepare surfaces to receive treatment in accordance with manufacturer's instructions, ensuring that all stains, oil, grease, form release agents, dust, and dirt are removed prior to application.
2. Apply one even coat of concrete curing aid and hardener with a pressure hand sprayer or paint roller.

3.04 PROTECTION

- A. Keep heavy traffic of surface for 24-48 hours after application.

END OF SECTION