

GUIDE SPECIFICATION FOR DECK-O-SHIELD™ CONCRETE DECK, WATERFALL AND NATURAL STONE SEALER

SECTION 07 19 16

SILANE WATER REPELLANTS

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) format. 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 drawings.

Specifier Notes: DECK-O-SHIELD is a ready-to-use, water-based sealer/water repellant for natural stone, concrete, and masonry surfaces. DECK-O-SHIELD is designed for use as a sealer/water repellent on waterfalls in or around swimming pools; the product will limit the penetration of water into structurally sound, crack-free surfaces. The product also can be used as a sealer/water repellant for natural stone decks, walkways, or patios; virtually any area located near or around swimming pool areas. A DECK-O-SHIELD-treated surface will inhibit the penetration of salts into the surface, reducing "whitening" or staining.

DECK-O-SHIELD weatherproofs and protects virtually all waterfalls, decks, porches, patios, and walkways around pools, including the following surfaces: natural stone, mortar joints, concrete, brick, concrete block and stucco.

Another advantage DECK-O-SHIELD provides is that the product will not alter the color or tint of the surface after application. There is no need for worry when applying DECK-O-SHIELD, because the product will have no adverse effects on surface appearance after application.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Application of clear, water-based water repellant sealer for concrete, masonry and natural stone surfaces.

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 05 00 – Common Work Results for Concrete
- B. Section 03 30 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 product 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.
- F. Do not mix any compound containing solvent.

1.05 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply product when air, surface, or material temperatures are expected to be between 40° F (4° C) and 95° F (35° C) during or within eight hours of expected application.
- B. Do not apply to frozen concrete.
- C. Do not apply to surfaces that are to receive caulks or sealants.
- D. Apply early in the day or in shady conditions as sunlight will evaporate the water carrier, reducing penetration and performance

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. DECK-O-SHIELD Water Repellent Sealer as manufactured by W. R. MEADOWS, INC.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive sealer. Notify architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.
- B. Perform a test application on each type of surface prior to full-scale application to determine suitability and final appearance.
- C. Test using the recommended application instructions.
- D. Let area dry thoroughly before inspection.

3.02 SURFACE PREPARATION

- A. Protect adjacent surfaces not designated to receive sealer.
- B. Clean and prepare surfaces to receive sealer in accordance with manufacturer's instructions, ensuring that all stains, oil, grease, form release agents, dust and dirt are removed prior to application.
- C. Ensure surface is clean and thoroughly dry.

3.03 APPLICATION

- A. Apply with brush, roller or low-pressure spray (<50 psi), depending on surface texture and area.
- B. Vertical Applications Instructions
 - 1. For best results, apply to a visibly dry and absorbent surface.
 - 2. Spray Application
 - a. Fan tips are recommended for sprayers.
 - b. Saturate from the bottom up, creating a 4" - 8" (10 - 20 cm) rundown below the spray contact point.
 - c. Let the first application penetrate for 5 – 10 minutes.
 - d. Re-saturate while surface still appears moist. Less product will be needed for the second application.
 - 3. Brush or Roller Application
 - a. Saturate uniformly.
 - b. Let penetrate for 5 - 10 minutes.
 - c. Brush out heavy runs and drips that do not penetrate.
- C. Dense Surface Application
 - 1. Apply a single coat. Use enough to completely wet the surface without producing drips, puddles or rundown.
 - 2. Do not overapply.
- D. Horizontal Application Instructions
 - 1. Saturate in a single application. Use enough to keep surface wet for 2 -- 3 minutes before penetration.
 - 2. Broom out puddles until they soak in.

3.03 PROTECTION

- A. Treated surfaces dry to touch in 1 - 2 hours. Protect surfaces from rainfall for six hours following treatment. Many surfaces need several days to develop optimum water repellency.

END OF SECTION