

GUIDE SPECIFICATION FOR DECK-O-GRIP® W/B: NON-YELLOWING, ACRYLIC, SLIP-RESISTANT CONCRETE SEALER

SECTION 03 05 00

COMMON WORK RESULTS FOR CONCRETE

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 the drawings.

Specifier Notes: DECK-O-GRIP W/B is a non-yellowing, blended, polymer-based, high solids, liquid sealer for decorative concrete. The product is clear, transparent and easy to apply. DECK-O-GRIP W/B also offers greatly improved chemical resistance when compared to standard acrylic-only based curing and sealing compounds. The product has been formulated to seal and protect decorative colored concrete by producing a hard, yet flexible, clear film. The compound contains a slip-resistant additive, which produces a slip-resistant surface, for use on traditionally slippery areas. DECK-O-GRIP W/B meets the very strict maximum VOC content limits of 200 g/L for sealers as required by certain California Air Pollution Control Districts, as well as the 400 g/L VOC maximum required by the U.S. EPA Architectural Coatings rule for Sealers. This product is specifically formulated for the residential decorative concrete market.

DECK-O-GRIP W/B is designed for various applications, including exterior concrete surfaces, driveways, patios, swimming pool areas and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired. The use of DECK-O-GRIP W/B on any exterior concrete surface provides a durable, long-lasting finish that has improved resistance to chemicals, oil, grease, de-icing salts and abrasions.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Application of clear, acrylic, slip resistant concrete sealer.

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 30 00 - Cast-in-Place Concrete.
- B. Section 03 35 00 – Concrete Finishing.

1.03 REFERENCES

- A. ASTM C1315 - Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete.

1.04 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.

- B. Submit manufacturer's product data and application instructions.

1.05 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 irritation of the eyes and/or skin.
- E. Protect materials during handling and application to prevent damage or contamination.
- F. Do not mix with any compound containing solvent.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply product when air, surface, or material temperatures are expected to fall below 40°F (4°C) within 4 hours of expected application.
- B. Do not apply to frozen concrete.
- C. Do not use on dense or porous surfaces.

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: Acrylic concrete sealer shall be a water-base, non-yellowing, clear, slip-resistant compound meeting the following requirements:
 - 1. ASTM C1315 Ultraviolet Resistance – Class A - Non-yellowing.
Chalk Resistance – No chalking.
Check/Peel Resistance – No deterioration.
 - 2. Dried film accepted by USDA.
 - 3. Meets the maximum VOC content limits of 200 g/L for Concrete Curing and Sealing Compounds as required by the California Air Pollution Control Districts.
 - 4. Meets the 400 g/L VOC maximum required by the U.S. EPA Architectural Coatings Rule.
- B. Proprietary Based Specification: DECK-O-GRIP W/B Non-Yellowing, Slip-Resistant, Acrylic Concrete Sealer by W. R. MEADOWS.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive concrete sealer. Notify Architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.

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 is removed prior to application.
- C. Ensure surface is clean and free from all powdered release agent residue.
- D. Apply concrete sealer when concrete surface is clean and dry.

3.03 APPLICATION

- A. Apply sealer in accordance with manufacturer's instructions.
- B. Mix or agitate concrete sealer thoroughly avoiding excessive mixing.
- C. Apply a uniform film using a standard industrial-grade sprayer, sprayed with an 8001 tip that produces a flow of 1/10 of one gallon per minute. Alternatively, apply using a short nap roller.
- D. Apply a second coat at right angles to the first for added protection if required.
- E. Stir occasionally during application to ensure particles remain suspended.

3.04 PROTECTION

- A. Restrict foot traffic for at least 6 hours, 12 hours is preferable.

END OF SECTION