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DECRA-SEAL™

Non-Yellowing Acrylic Curing and Sealing Compound for Decorative Concrete

DESCRIPTION

DECRA-SEAL is a non-yellowing, acrylic-based, high solids, liquid curing and sealing compound for decorative concrete. The product is clear, transparent and easy to apply. DECRA-SEAL also offers improved resistance to water, alkalis, and petroleum spirits. The product has been formulated to seal and protect decorative colored concrete by producing a hard yet flexible, clear film. This product is specifically formulated for the decorative concrete market.

USES

DECRA-SEAL is designed for various applications, including exterior concrete surfaces, driveways, patios, swimming pool areas, exposed aggregate concrete surfaces, as well as any exterior surface where protection and sealing of concrete is desired. The use of DECRA-SEAL on any exterior concrete surface provides a durable, long-lasting, high-sheen finish that offers improved resistance to chemicals, oil, grease, de-icing salts, and abrasion.

FEATURES/BENEFITS

- Permeable film allows moisture in cured concrete to evaporate.
- Seals all concrete surfaces, providing a glossy, long-lasting appearance and easier cleanup.
- Provides a totally clear membrane that will not yellow, for new or existing concrete.
- Helps minimize spalling of exterior concrete.
- Provides good blush resistance in damp areas.
- Applies easily ... dries to the touch in 30 - 60 minutes.
- Provides a clear, tough film that improves abrasion and stain resistance.
- Offers improved resistance to oil, grease, de-icing salts, cleaning agents (except aromatic solvents), and other pollutants.
- Can be recoated after thorough surface cleaning to restore original beauty.
- VOC-compliant.

PACKAGING

1 Gallon (3.79 L) Cans (4/Cartron)
5 Gallon (18.93 L) Pails

COVERAGE

300 – 600 ft.²/gal. (7.37 – 14.73 m²/L)
Coverage may vary due to porosity and condition of the concrete.

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

- ASTM C 309, Type 1, Class A & B
- ASTM C 1315, Type 1, Class A
- AASHTO M 148, Type 1, Class A & B
- U.S. EPA AIM Regulation 40CFR Part 59 – 700 g/L maximum VOC

TECHNICAL DATA**

The following results were obtained under laboratory conditions:

Drying Time @ 73° F, 50% RH	1 - 2 hours***
Re-coat	2 - 24 hours
Foot Traffic	4 - 6 hours
Wheel Traffic	6 - 12 hours
VOC Content	690 g/L
Adhesion to Concrete	Excellent
Ultraviolet (UV) degradation ASTM C 1315, 8.7 Ultraviolet Resistance Chalk Resistance Check/Peel Resistance	Non-yellowing No chalking No deterioration
Alkali Resistance	Excellent

**All technical data is typical information, but may vary due to test methods, conditions and operators.

***Low concrete or air temperatures and/or high relative humidity will extend drying times.

APPLICATION

SURFACE PREPARATION

Fresh (New) Concrete ... Apply as soon as all surface water has disappeared and the concrete surface will not be marred by walking workers.

CONTINUED ON REVERSE SIDE...

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Existing (Old) Concrete ... Concrete surface must be clean and dry with all stains, oil, grease, dust, dirt, and curing compounds removed prior to application. ULTRITE® DEGREASER from W. R. MEADOWS is recommended for cleaning.

Application Method ... Use a sprayer or short-nap roller [1/4" (6.35 mm) is ideal] to apply a uniform film. Avoid puddling in low areas. If puddles occur, brush or roll them out. A standard industrial-grade sprayer, such as a Chapin 19069, equipped with Viton fittings, a 0.5 GPM nozzle, and fan spray pattern, is recommended. Apply over the entire surface; avoid puddling in low areas.

For full application guidelines, please visit <http://www.wrmeadows.com/vocapp/>.

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

Drying Time ... Product dries quickly. Drying times will vary depending on application rate, temperature, humidity, and project conditions. Restrict foot traffic for at least four hours. Twelve hours is preferable.

Cleanup ... Clean tools after use with a solvent such as xylene, toluene, or SEALTIGHT CLEANER from W. R. MEADOWS.

PRECAUTIONS

FOR OUTSIDE/EXTERIOR APPLICATION ONLY. DECRA-SEAL IS FLAMMABLE. KEEP AWAY FROM ALL OPEN FLAMES, SPARKS, IGNITION SOURCES, etc. Use with adequate ventilation and block all HVAC ventilation ducts which may spread product vapors - vapors are flammable and heavier than air. If product odors are objectionable, W. R. MEADOWS recommends using a water-based product, such as DECRA-SEAL™ W/B or any of the VOCOMP® series products. DECRA-SEAL must be applied without diluting or thinning. Surfaces treated with DECRA-SEAL may become slippery under certain conditions. To increase slip resistance, addition of SURE-STEP™ from W. R. MEADOWS is recommended. DECRA-SEAL should not be applied in direct sunlight, or in high temperature conditions. These conditions cause rapid evaporation, preventing proper film formation, which may cause the dried film to peel, bubble, become hazy, and/or turn white (blush). Surface temperature of the concrete must be between 40° – 90° F (4° – 32° C) at time of application to allow for proper film formation.



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

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

DECRA-SEAL should not be applied to concrete exposed to excessive moisture. Entrapped moisture in a solvent-based sealer may cause the film to peel and/or turn white (blush). Improper or over-application may cause the dried DECRA-SEAL film to appear hazy and/or white.

Product may be used on colored concrete, but mottling may occur. Do not use on dense or non-porous surfaces, i.e. brick, stone, etc. Concrete containing calcium chloride will remain dark longer when treated with this product. Concrete floors properly sealed with DECRA-SEAL meet the requirements of ASTM C 1315, Section 8.8 – Adhesion, for ceramic tile adhesives per ANSI A 136.1-1992 requirements. For any other specifications, applications, installations, etc., please obtain approval for use from the manufacturer of the subsequent product/treatment being applied. These products may include, but are not limited to adhesives, mortars, tile cements, paints, coatings, penetrating treatments, etc. The specifier and user shall determine the suitability of product for specific applications and assume all responsibility in connection therewith.

Do not use on exposed aggregate overlays.

HEALTH AND SAFETY

Avoid direct contact with this product, as it may cause irritation of the eyes and/or skin. Inhalation of vapors may result in transient central nervous system depression. DECRA-SEAL is combustible. DECRA-SEAL should not be utilized in locations where food items are present. Refer to Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and SDS, visit www.wrmeadows.com.