



DECRA-SEAL™ PLUS

DATA SHEET NO. 3050-360P

Dual-Action, Non-Yellowing Curing & Sealing Compound for Decorative Concrete

DESCRIPTION

DECRA-SEAL PLUS is a unique, dual-action, non-yellowing, high solids, liquid curing and sealing compound for decorative concrete. The product is clear, transparent, and easy to apply. DECRA-SEAL PLUS offers improved resistance to water, alkalis, mild acids, and petroleum spirits. The product has been formulated to penetrate, seal, and protect decorative concrete utilizing a proprietary, dual-action, chemically reactive formulation. The dual action system in DECRA-SEAL PLUS is able to penetrate the concrete matrix, allowing the moisture present to initiate a chemical reaction which helps to form a water-repellent resin within the pores of the concrete. The reaction rate is further accelerated in the highly alkaline environment found within the concrete. DECRA-SEAL PLUS also remains on the surface to produce a hard, dense acrylic film. This unique formulation produces a two-stage protective system against the ingress of moisture, salts, and other contaminants.

USES

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

PACKAGING

3.8 litre (1 U.S. gallon) cans
18.9 litre (5 U.S. gallon) pails

SPECIFICATIONS

- ASTM C 309, Type 1, Class A & B
- ASTM C 1315, Type 1, Class A
- AASHTO M 148, Type 1, Class B

COVERAGE*

7.37 – 14.73 m² per litre (300 – 600 ft.²/U.S. gallon)

*Coverage may vary due to porosity and condition of the concrete.

SHELF LIFE

One year in original, unopened container.

FEATURES/BENEFITS

- Permeable film allows moisture in cured concrete to evaporate.
- Unique dual-action formulation provides protection against de-icing salts and other contaminants; improved freeze-thaw resistance.
- Provides a clear membrane that will not yellow on new or existing concrete.
- Seals all concrete surfaces, providing a glossy appearance and easier clean up.
- Helps minimize spalling of exterior concrete.
- Provides good blush resistance in damp areas.
- Provides a clear, tough film, which improves abrasion and stain resistance.
- Offers improved resistance to rain, sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soot, dust, and other pollutants.
- Can be recoated after thorough cleaning to restore original beauty.
- VOC compliant . . . meets the U.S. EPA Architectural Coatings Rule requirement.

TECHNICAL INFORMATION

The following results were obtained under laboratory conditions:

Drying Time @ 22.7°C (73°F), 50% RH	1 – 2 hours **
Re-coat	2 – 24 hours
Foot Traffic	4 – 6 hours
Wheel Traffic	6 – 12 hours
VOC Content	679 g/L
Adhesion to Concrete	Excellent
Ultraviolet Light (UV) Degradation ASTM C 1315, 8.86	
Ultraviolet Resistance	Non-yellowing
Chalk Resistance	No chalking
Check/Peel Resistance	No deterioration
Alkali Resistance	Excellent

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

Continued over

W. R. MEADOWS OF CANADA

70 Hannant Court, Milton, ON L9T 5C1
Phone: (905) 878-4122 • Fax: (905) 878-4125

Montreal Sales: (877) 405-5186

Hampshire, IL / Cartersville, GA / York, PA / Fort Worth, TX
Benicia, CA / Pomona, CA / Goodyear, AZ / Milton, ON /
St. Albert, AB

www.wrmeadows.com

APPLICATION

Surface Preparation ... Existing Concrete: Concrete surfaces must be clean and dry with all stains, oil, grease, dust, and dirt removed prior to application. We recommend ULTRITE® DEGREASER from W. R. MEADOWS for cleaning. *New Concrete:* DECRA-SEAL PLUS should be applied when surface water has completely disappeared and the concrete surface will not be marred by walking workers.

Application Method ... Use a sprayer or short-nap roller to apply a uniform film. Avoid puddling in low areas. If puddles occur, brush or roll them out. A standard industrial-grade sprayer, equipped with a neoprene hose and gaskets, as well as a 5941 spray tip (or equivalent) is recommended for best results. For optimum performance, apply first coat at 14.73 m² per litre (600 ft.²/U.S. gallon). After the first coat has thoroughly dried, apply a second coat at 14.73 m² per litre (600 ft.²/U.S. gallon). **NOTE:** The second coat should be applied at a right angle.

Drying Time ... DECRA-SEAL PLUS dries quickly. Drying times may be extended depending on application rate, temperature, humidity, and project conditions. Restrict foot traffic for at least four hours. Twelve hours is preferred.

Cleanup ... Application equipment should be cleaned promptly after use with xylene or toluene.

PRECAUTIONS

DO NOT DILUTE. FOR EXTERIOR APPLICATION ONLY. DECRA-SEAL PLUS should not be applied to surfaces during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which does not allow the film to form properly. Under these conditions, the film may peel, bubble and/or turn white (blush). DECRA-SEAL PLUS 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).

Do not apply DECRA-SEAL PLUS if the temperature of the concrete is below 4°C (40°F). DECRA-SEAL PLUS is designed for coloured concrete, but mottling may occur. Do not use on dense or non-porous surfaces, i.e. brick, stone, etc. Do not use DECRA-SEAL PLUS as a waterproofing sealer on masonry surfaces.

Do not use DECRA-SEAL PLUS on areas to receive further coatings or toppings. DECRA-SEAL PLUS may inhibit the bond of coatings and adhesives.

Concrete containing calcium chloride will remain dark longer when treated with DECRA-SEAL PLUS. The specifier and user shall determine the suitability of product for specific applications and assume all responsibility in connection therewith.

HEALTH HAZARDS

Avoid direct contact with this product, as it may cause irritation of the eyes and/or skin. Inhalation of vapours may result in transient central nervous system depression. DECRA-SEAL PLUS is combustible. (Flash point: 40.5°C, 105°F). DECRA-SEAL PLUS should not be utilized in locations where food items are present. Refer to Material Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ 3.1: Construction Indoor Air Quality Management Plan – During Construction
- IEQ 4.2: Low-Emitting Materials – Paints and Coatings
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

2004 MASTERFORMAT NUMBER AND TITLE

03 39 23 Membrane Concrete Curing

For most current data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.

2010-01-21



© SEALTIGHT is a registered trade mark of W. R. Meadows

WARRANTY: W. R. Meadows of Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W. R. Meadows of Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W. R. Meadows of Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W. R. Meadows of Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.