



DATA SHEET NO. 3460-200

INTRAGUARD™

Penetrating, Water-Based, Silane/Siloxane Sealing Compound for Salt Protection

DESCRIPTION

INTRAGUARD is a water-based, penetrating sealing compound for exterior concrete and masonry surfaces. Specifically designed to limit the intrusion of moisture and chlorides into the substrate, this proprietary blend of silane and siloxane penetrates into the pores of the concrete and masonry to help protect the surface from scaling caused by deicing salts as well as protecting vertical masonry surfaces from the ingress of water.

USES

INTRAGUARD weatherproofs and protects virtually all concrete and masonry surfaces, including driveways, masonry, walkways, and vertical walls. The product is designed to provide lasting protection from de-icing chemicals and moisture intrusion. The product can be used on both horizontal and vertical surfaces. Suitable application include architectural concrete, concrete block, split face block, pavers, stucco, porous and dense brick, clay tile, and exposed aggregate concrete.

FEATURES/BENEFITS

- When properly applied INTRAGUARD does not form a film— it penetrates the surface to form an integral barrier to moisture penetration.
- Leaves no gloss or shine.
- Breathable – does not trap moisture.
- Reduces chloride penetration into concrete and masonry surfaces.
- Helps protect properly placed and cured concrete and masonry from scaling and freeze thaw damage caused by de-icing chemicals.
- Water-based, VOC-compliant.
- Allows masonry to breathe.
- Reduces water absorption.
- Can be used as a primer for improved adhesion with paints or mineral substrates.

PACKAGING

3.79 Litre (1 U.S. Gallon) Units (4/Carton)
18.93 Litre (5 U.S. Gallon) Pails
1040.99 Litre (275 Gallon) Totes

COVERAGE

50 - 250 ft.²/gal. (1.2- 6 .1 m²/L)

Due to porosity, certain stone and block applications may require a significant increase in coverage rate or additional applications may be necessary. Always apply a test area to determine actual coverage rate. Coverage rate will vary greatly due to the porosity of the substrate.

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 4° - 32° C, optimum performance and best use is obtained within one year of date of manufacture.

SPECIFICATIONS

- Complies with VOC Concentration Limits for Architectural Coatings Regulations in Canada

TECHNICAL DATA

Dry to Touch 1 – 2 hours (typical)
Color Milky White Emulsion

APPLICATION

Surface Preparation ... Protect people, vehicles, property, plants, and all surfaces from product, splash, residue, and wind drift. Thoroughly clean the surface. Though INTRAGUARD may be applied to slightly damp surfaces, best performance is achieved on a clean, thoroughly dried and absorbent surface. Excessive moisture inhibits penetration, reducing the service life and performance of the treatment. Always test for compatibility. Surfaces must be structurally sound, clean, and free from dirt, efflorescence, and stains. For optimum results, wait 14 - 28 days before applying INTRAGUARD to new concrete and masonry.

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Vertical Surfaces ... Surfaces must be structurally sound, clean and free from dirt, bitumen, efflorescence, oil, curing compounds, form oil, and other foreign matter. Masonry joints must be checked and repointed where necessary. All wall and roof flashings, caulking, and sealants must be in good condition and the surface fully cured and thoroughly dry before application. New concrete and precast panels employing type 10 cement will require seven days drying before INTRAGUARD is applied. To ensure proper penetration, sufficient material should be applied to allow a flood of material to run down at least 254 – 304.8 mm (10" - 12").

Surface and Air Temperatures ... Optimum surface and air temperature is 4° – 35° C (40° – 95° F) during application and eight hours after. If freezing conditions exist before application, let surface to receive treatment thaw.

Test Application ... Always perform a test application on each type of surface prior to full-scale application to determine suitability and final appearance. Test using the recommended application instructions. Let area dry thoroughly before inspection.

Application Method ... Amply saturate the surface with INTRAGUARD using a sprayer, such as a Chapin 1949. A 0.379 LPM (0.1 GPM) spray nozzle is also recommended for best results. Protect grass, shrubbery, and plant life from overspray. Roll or brush out puddles. Do not let the product puddle on the surface or dry on the surface. Use enough to completely wet the surface without producing drips, puddles, or rundown. DO NOT OVERAPPLY. After 10 - 15 minutes, remove all excess sealer from the surface. On highly permeable surfaces, additional coats may be necessary.

Note: Hot, windy conditions will evaporate the water carrier, reducing penetration and performance. On hot, windy days, apply early in the day and in shade, if possible.

Protect surfaces from rainfall for six hours following treatment. Many surfaces need several days to develop optimum water repellency.

Cleanup ... Immediately clean tools, equipment, and overspray with soap and warm water.

PRECAUTIONS

DO NOT DILUTE OR ALTER. MIX THOROUGHLY PRIOR TO USE. DO NOT FREEZE. INTRAGUARD will not hide existing surface stains. Do not apply to surfaces with temperatures of <4.4° C or >35° C. Prevent from being spilled or over sprayed onto nearby water sources. Temporary darkening of some substrates may occur. Protect surfaces from rainfall for a minimum of six hours following treatment. If rainfall occurs and surface turns white, thoroughly flush surface and reapply product when dry. Apply a small test patch application prior to full-scale application. Refer to Safety Data Sheet for complete health and safety information.

MASTERFORMAT NUMBER AND TITLE CLAUSE

03 35 00 – Concrete Finishing

LEED INFORMATION

May help contribute to LEED credits:

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

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

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