



DATA SHEET NO. 3360-010

BELLATRIX® Premium Concrete Enhancer

DESCRIPTION

BELLATRIX is formulated using proprietary, dual-protection technology combined with unique hybrid polymers to offer the ultimate in concrete protection. BELLATRIX offers environmentally friendly, VOC-compliant protection, which provides increased stain suspension and resistance against many contaminants found in kitchens, retail food stores, restaurants, malls, garages, warehouses, distribution centers, etc.

USES

While originally formulated to be used in conjunction with hardened concrete floor systems, such as LIQUI-HARD® and the INDUROSHINE™ polished concrete system from W. R. MEADOWS, BELLATRIX may also be utilized anywhere a clear, high-gloss, dual-action concrete protection systems is desired. BELLATRIX is designed for use on previously sealed surfaces, as well as surfaces that have been previously stained or dyed and sealed. (Check compatibility with existing sealer prior to full application.) BELLATRIX is formulated to provide a reasonable amount of time for cleanup and removal of spills.

FEATURES/BENEFITS

- Breathable film allows moisture in cured concrete to evaporate.
- Offers improved resistance against many common household chemicals.
- Provides excellent blush resistance in damp environments.
- Applies easily and economically.
- VOC-compliant.
- Protects the finish when used on polished concrete.
- For both indoor and outdoor use.
- Rejuvenates previously sealed or densified concrete.
- Perfect for use over acrylic sealers.

PACKAGING

3.8 Litre (1 U.S. Gal.) Units/4 per Carton
18.9 Litre (5 U.S. Gal.) Pails
208 Litre (55 U.S. Gal.) Drums

COVERAGE

12.3 - 24.5 m²/L (500 - 1000 ft.²/U.S. Gal.)

Steel Troweled Concrete:

12.3 - 14.7 m²/L (500 - 600 ft.² U.S Gal.)

Polished Concrete:

24.5 - 36.8 m²/L (1000-1500 ft.²/U.S. Gal.)

Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

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

- Tested per ASTM D1308.
- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations.

APPLICATION

BELLATRIX is designed for existing concrete and should not be used as a curing compound on freshly placed concrete. A small test patch application is always recommended. The test patch must be done using the same applicator (personnel), equipment, surface preparation, application technique, and at the same temperatures, relative humidity, airflow conditions, etc., that will exist at the time of the full-scale BELLATRIX application.

Surface Preparation ... The surface must be thoroughly clean, dry, and free of anything that will prevent BELLATRIX from bonding properly with the concrete. This includes, but is not limited to: bond breakers, release agents, coatings, oil, grease, un-neutralized acid stain, dirt, efflorescence, dust, etc.

Polished Concrete ... BELLATRIX may be applied over concrete that has been previously treated with a densifier/hardener such as LIQUI-HARD and/or polished with a system like INDUROSHINE. Concrete must be a minimum of 28 days old before polishing with INDUROSHINE. Allow a minimum of 12 hours after a LIQUI-HARD treatment before applying BELLATRIX. Burnishing may commence two hours after application of BELLATRIX, but this could vary depending on environmental surroundings. For optimum results, wait 24 hours. Use a high speed burnisher with a 3000-grit or hogs hair pad. If products or systems other than INDUROSHINE or LIQUI-HARD are used, a small test patch application is always recommended.

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Existing Concrete ... Concrete must be clean, dry, and prepared, per Surface Preparation instructions above. BELLATRIX is not designed to be used as a standalone product. The concrete must be sealed or densified first. Concrete must be a minimum of 14 days old before applying BELLATRIX. For optimum results, concrete should be 28 days old.

Mixing ... Any separation in the container must be re-dispersed with gentle agitation prior to use. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY.

Application Method ... An industrial sprayer, such as a Chapin 1949, equipped with a 0.379 LPM (0.1 GPM) nozzle, is recommended. Application equipment must be clean, dry, and free of any previously used materials. After initially spraying the product onto the surface, uniformly spread it with a micro-fiber applicator. The micro-fiber pad should be pre-wetted with BELLATRIX prior to use and the product must not be allowed to dry before spreading is complete. Optimum performance is achieved with two (2) uniform coats. The second coat should be applied at a 90° (right) angle to the first coat, only after the first coat is thoroughly dry. NOTE: Keep surface dry for a minimum of 48 hours after application; full stain-blocking ability will not be effective until 72 hours after final application.

Clean Up ... Clean immediately while still wet with soap and water.

PRECAUTIONS

KEEP FROM FREEZING. Do not use BELLATRIX as a curing compound on freshly placed concrete. Do not use as a standalone product. Due to occasional uncontrollable variations in concrete substrates, application error, etc., BELLATRIX may not block all staining materials in every instance. BELLATRIX is formulated to provide a reasonable amount of time for clean up and removal of spills. Do not apply when air, material, or surface temperatures are expected to fall below 4° C within four hours of completed application. Do not use tape on surfaces treated with BELLATRIX. DO NOT MIX WITH ANY OTHER PRODUCTS.

BELLATRIX is not recommended for use on heated concrete floors that will have rubber and plastic products placed on surface. Some plasticizers/chemicals in certain types of rubbers can leach and stain the heated floor.

Stain resistance and gloss will vary with coverage rates the nature of the substrate. A test area is recommended to verify that the desired appearance and performance is achieved with the intended use conditions.

HEALTH AND SAFETY

Direct contact may result in mild irritation. Inhalation may cause irritation of the respiratory tract. Refer to Safety Data Sheet for complete health and safety information.

MASTERFORMAT NUMBER AND TITLE

03 35 00 - Concrete Finishing

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

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