



BRICKFORM® Gem-Seal™

High-Gloss “Wet-Look” Sealer - 400/100 VOC

BRICKFORM Gem-Seal is a high-gloss, UV-resistant, lacquer-based, crystal-clear sealer. A light coating of BRICKFORM Gem-Seal will protect and enhance colored and textured concrete. Use BRICKFORM Gem-Seal on porous concrete to form a shield against stains and mildew.

FEATURES

- Non-Yellowing, Crystal Clear
- Dries To A Wet-Look Finish
- Interior/Exterior Use
- Enhances Color
- 19% Solids Content

PRODUCT DESCRIPTION • BRICKFORM Gem-Seal is a premium-quality non-yellowing, super-tough acrylic film that is easy to clean and maintain. BRICKFORM Gem-Seal protects with a high-gloss shine that penetrates the surface to retard efflorescence and resist oil, grease and food stains. BRICKFORM Gem-Seal virtually eliminates concrete dusting and is tough enough to withstand the extremes of areas subject to freeze-thaw.

WARNING • NOT RECOMMENDED for dense surfaces. Apply in thin coats, only on surfaces textured for slip resistance. If applied too heavily or applied to dense surfaces, the sealer may become slippery, especially in areas where water accumulates. If in doubt, test the surface by sprinkling with water. If water beads up on the surface, additional cleaning and profiling must be done. Do not use where hydrostatic pressure is possible.

USES • BRICKFORM Gem-Seal can be used on interior or exterior concrete-type surfaces. BRICKFORM Gem-Seal can be used as a base-coat for interior applications where a compatible, commercial floor wax is planned as part of a maintenance program. Use on colored or uncolored, stamped or exposed aggregate concrete.

LIMITATIONS • BRICKFORM strongly recommends the use of a Moisture Vapor Evaporation Rate test in accordance with ASTM F1869. Results should not exceed 5 pounds per 1000 square feet per 24 hours based on the recommended test period. Relative humidity tests are strongly recommended as well when used in accordance with ASTM F2170. Results should not exceed 75%. Excessive moisture vapor evaporation rates can soften overlay materials and sealers, cause premature wear, discoloration and/or lead to a complete loss of bond from the concrete slab. Overlays and sealers should always be installed over pH neutral concrete substrates.

PACKAGING • BRICKFORM Gem-Seal is available in one-gallon (3.785 L) and five-gallon (18.925 L) containers and fifty-five gallon (208.175 L) drums.

COVERAGE • BRICKFORM Gem-Seal will cover approximately 250 to 350 square feet per gallon (6.13 - 7.36 m² / L) depending upon porosity of the surface.

PREPARATION • New concrete should be cured at least 28 days, prior to application. The application area must be completely clean and dry to the touch. Pressure washing and power scrubbing may be necessary. The recommended surface profile for BRICKFORM sealers is a CSP1 or CSP2. Surface preparation guidelines are written by ICRI and outlined in Guideline No. 03732 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays*. **Guidelines available at icri.org. See surface preparation videos at www.brickform.com.** Remove all efflorescence, oil, dirt, wax, old paints, sealers, and curing compounds. **RINSE THOROUGHLY.** Allow the surface to dry at least 24 hours. Soaps and detergents should never be used for cleaning. Dried residue on the surface will prevent the sealer from bonding. If acid is used, a representative area must be tested. Soak

STORAGE • Store in a dry, cool place and protect from freezing temperatures and moisture. Shelf life is approximately 18 months.

CAUTIONS • Contains aromatic hydrocarbons. **KEEP OUT OF REACH OF CHILDREN.** Before using or handling, read the Material Safety Data Sheet and Warranty. **DO NOT TAKE INTERNALLY.** Do not breathe vapors or mist. Use only with adequate ventilation and use a respirator when levels are above applicable limits. Avoid contact with skin and eyes. Close container after each use. Use good hygiene when handling this product and wash and bathe after each use. Be sure to wash clothing after each use.

the entire surface with water before applying the acid mixture. When the fizzing stops, rinse with clean water. The surface must then be flushed with clean water and neutralized with a pH neutralizer such as ammonia, baking soda, or T.S.P. Repeat rinsing and neutralizing. Acid residue will prevent the sealer from penetrating. Allow the surface to dry for at least 24 hours prior to application. NOT RECOMMENDED for pre-sealed or dense surfaces, such as glazed tile, marble or granite, dense brick, dense slate, or terrazzo. If in doubt, test the surface by sprinkling with water. If water beads up on the surface, additional cleaning and profiling must be done. Do not use where hydrostatic pressure is possible.

APPLICATION • Apply in temperatures between 55° and 80°F (12.8°C and 26.7°C). Always test a small area of surface to verify protection and appearance. Use BRICKFORM Gem-Seal full strength. DO NOT THIN. Apply from 2-3 light, even coats with a low-pressure airless sprayer or pump up sprayer resistant to acetone. CAUTION: if using the roller to apply sealer, be careful to apply in thin coats, maintain a wet edge, and do not back-brush. Allow 1-3 hours between coats or until the surface is dry to the touch. Avoid using in direct sunlight, especially on hot, windy days. Apply during the cooler part of the day when the surface is shaded. Do not apply on rainy or foggy days. Excess moisture will not allow the sealer to dry properly. Use only in well ventilated areas. It is recommended that foot traffic remain off the finished sealed surface for 24 hours. For heavy traffic, allow 72 hours for curing. HELPFUL HINT: Use toluene or lacquer thinner for easy cleanup.

Note: When installing GS100 over GS400, apply in multiple, thin applications with a sprayer to achieve 100% coverage.

Important! Do NOT apply GS100 over GS400 when the slab is hot. Apply in the morning hours when the slab is cool.

MAINTENANCE • The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer. Brickform recommends the application of Dura-Wax as a sacrificial coating on interior surfaces. Reapply as needed, according to the appropriate Technical Information Sheet. If traces of efflorescence are present, this should first be eliminated with a gentle cleaner such as BRICKFORM E-Etch™, according to the BRICKFORM E-Etch Technical Information Sheet.

WARRANTY • This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

PLAN SPECIFICATION

BRICKFORM® Gem-Seal™ Suggested Short Form Specification:

All concrete flatwork designated as being sealed in the plans and specifications shall be sealed with 2-3 light even coats of BRICKFORM Gem-Seal™, at the rate of approximately 250 to 300 square feet per gallon (6.13 - 7.36 m² / L), manufactured by BRICKFORM 800-483-9628, Rancho Cucamonga, CA, 909-484-3399. BRICKFORM Gem-Seal shall be applied in accordance with the *BRICKFORM Gem-Seal Technical Information Sheet*.

ORDER SPECIFICATIONS

Product

Gem-Seal 400/100 VOC

Shipping Weight

10.0 Lbs (4.54 kg)

40.0 Lbs (18 kg)

450.0 Lbs (202.5 kg)

Container Size

1-Gallon (3.785 L)

5-Gallons (18.925 L)

55-Gallons (208.175 L)