



# BRICKFORM® SM Professional Grade™

## Sprayable Cementitious Overlay

**BRICKFORM SM Professional Grade is a sprayable cementitious overlay that is designed to be applied with a hopper gun. It can be integrally colored using BRICKFORM Overlay Liquid Colorant. BRICKFORM SM Professional Grade can be used to create the look of brick, stone, tile or other unique specialty finishes.**

### FEATURES

- Ease of use
- Can be integrally colored
- Spray, trowel or squeegee
- Broom finish
- Water resistant

### PRODUCT DESCRIPTION

The BRICKFORM SM Professional Grade is a sprayable acrylic modified, cementitious overlay that is designed to be applied with a hopper gun. The product works with the BRICKFORM Liquid Polymer and can be integrally colored using the BRICKFORM Overlay Liquid Colorant (10 ounce bottles). The advanced polymer matrix allows the product to be sprayed or troweled to create unique concrete surfaces that, when sealed, are resistant to water intrusion which minimizes premature surface degradation.

### USES

The BRICKFORM SM Professional Grade is a sprayable texturing system formulated for resurfacing existing interior or exterior concrete. The product can be patterned and textured to create the look of brick, stone, tile or other unique specialty finishes. BRICKFORM SM Professional Grade can also be applied in a monolithic sprayed, non-skid texture. The product is also used as a base coat (RG) for the BRICKFORM Micro-Topping material.

### LIMITATIONS

The BRICKFORM SM Professional Grade should only be applied to sound, properly prepared concrete. Minimum ambient and surface temperature for application is 50 degrees Fahrenheit (4° C). Do not apply if rain is expected within 24 hours of installation. The product should be applied at depths no greater than 3/16ths of an inch and additional lifts should not total more than 1/2 inch.

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 SM Professional Grade is packaged in 60lb bags. BRICKFORM Polymer is packaged in 5 gallon re-sealable plastic pails.

### COVERAGE

Base coat – 150-300 square feet per bag depending on texture and porosity of the concrete. Texture coats can be troweled or sprayed on at a rate of 150-200 square feet per 60lb bag.

### STORAGE

Store BRICKFORM SM Professional Grade powder in a safe, dry place. Protect from moisture intrusion by keeping the bags covered with plastic. Protect the BRICKFORM Liquid Polymer from freezing. Shelf life of properly stored materials is approximately 12 months.

### WARNING

**KEEP OUT OF REACH OF CHILDREN.** Before using or handling, read the Material Safety Data Sheet and Warranty. **DO NOT TAKE INTERNALLY.** Avoid contact with eyes and skin. When working with or near this product, all personnel must wear OSHA-NIOSH approved respirators (refer to OSHA standards in 29 CFR 1910.134). Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung Cancer. Avoid inhalation and use local exhaust to keep exposures below OSHA PEL's for silica and nuisance dusts. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Wash splatters from skin immediately. Close containers 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.

### PREPARATION

BRICKFORM strongly recommends representative jobsite test sections. Individuals who will be performing the work should use the specified materials, as well as the finishing and curing techniques that will be used on the job. **THE CONCRETE SURFACE MUST BE PROFILED.** The recommended surface profile for BRICKFORM SM Professional Grade is a CSP-1, CSP-2, or CSP-3. Surface preparation guidelines are written by ICRI and outlined in Guideline No. 03732 Selecting and Specifying Concrete Surface Preparation for Sealer, Coatings, and Polymer Overlays. Caution should be used when shot-blasting or scarifying and a skilled machine operator is recommended. BRICKFORM SM Professional Grade should be placed only on clean, sound, fully cured concrete. The surface must be free from all sealers, dirt, oil, paint, moss, dust, and other contaminants. Repair all damaged and deteriorated concrete prior to SM Professional Grade placement. Cracks, holes, spalls, etc. should be filled. For deeper repairs in which repair mortars have been placed, allow the patching material to fully cure prior to placement of SM Professional Grade. Control joints must be honored. If control joints are filled, they must be re-opened after application. If epoxy is used in cracks, contain the epoxy to the crack and broadcast silica sand in the epoxy to ensure proper bonding of SM Professional Grade. Additional relief cuts in the area of repaired cracks can be done before or after the application of the SM. Any areas with contaminants such as hydraulic fluid, cutting oils or other materials prone to migration, they should be marked, degreased and shot-blasted until they turn white. Always

pressure-wash or vacuum the surface to remove dust and debris left over from other surface preparation or repair procedures. Once the concrete surface has been prepared and cleaned, keep it clean throughout the duration of the project. Proper and complete substrate surface preparation is critical to the success of the project.

## **APPLICATION**

The BRICKFORM SM Professional Grade is mixed with the BRICKFORM Liquid Polymer only—do not use any other additives. Gently stir the BRICKFORM Liquid Polymer prior to use. Always measure the polymer, colorant and grout to the proper proportions as variations in these can lead to differences in color and texture. A 60lb bag of BRICKFORM SM Professional Grade will require 5.5-7.5 quarts of polymer depending on ambient conditions and desired texture.

NOTE: When using BRICKFORM SM Professional Grade as a base coat (RG) for the BRICKFORM Micro-Topping, refer to the Micro-Topping TIS for specific application instructions. Measure and add the BRICKFORM Polymer to a clean mixing vessel. For base coats use approximately 6.5-7.5 quarts of Polymer per bag and for spray applications or texture coats, use between 5.5-6.5 quarts. If integral color is desired, add one 10 ounce bottle of BRICKFORM Overlay Liquid Colorant to the Liquid Polymer and mix thoroughly prior to introducing the grout. Slowly add the 60lb bag of grout to the liquid and mix until uniformly blended and lump free. Allow the mixed material to stand for approximately 10 minutes and re-mix for 90 seconds prior to placement. Pot life for mixed material is between 1-3 hours depending on ambient temperature. Pot life can be extended if material is covered and stored in a cool environment. For mixing less than full batches, pre-blend the dry grout to ensure that the material has not separated during shipment. Mix per above instructions at the ratio of .75-1 quarts of Liquid Polymer per 10 pounds of grout.

NOTE: When using BRICKFORM Overlay Liquid Colorant (10 ounce bottles), shake the full bottle of color prior to adding it to the Liquid Polymer. Once empty, fill the 10 ounce bottle half full of polymer and shake to release any pigment that may have settled to the bottom and then add to the mixing vessel with the rest of the Liquid Polymer.

The BRICKFORM SM Professional Grade can now be applied over a primed surface using the BRICKFORM Triple Seven Bond Coat primer. Roll or Spray on the BRICKFORM Triple Seven Bond Coat to the prepared concrete surface. If Triple Seven Bond Coat is not available apply product to a surface saturated dry concrete surface (wet with no standing or puddled water). Trowel the base coat on uniformly and finish smooth. Allow the base coat to dry at least two hours or more depending on ambient conditions. Once dry, the base coat can be sanded with a 60-80 grit sanding disc on a floor machine or a mason rub brick. Remove all residues from the sanding process. Patterns can then be created using fiber reinforced pattern tape or vinyl stencils. Mix the texture coat (see above instructions) and apply with a trowel or a hopper gun (texture type spray gun). If troweling, apply at thicknesses of less than 1/8". Sprayed texture can be "knocked down" by using a pool trowel if desired. Do not add water to the surface or finish with an overly wet trowel as this can discolor the surface. Remove any pattern work as soon as the material is hard enough to walk on. Allow the finish to cure for 24 hours. High spots in the surface should be removed with a metal scraper or masons stone (rub brick) taking care not to harm the desired texture. Any debris should be vacuumed or blown off the surface.

## **CURING**

BRICKFORM SM Professional Grade should be allowed to cure for 24 hours before allowing foot traffic. BRICKFORM Blush-Tone Acid Stain, E-Stain, ARTesian water-based stain or Pro-Dye (interior use only) can be applied after the concrete has 24 hours to cure. Once sealed, protect the surface from foot traffic for 24 hours and vehicular traffic for 5 days.

## **SEALING**

After the overlay has been allowed to cure for 24-48 hours, protect the surface with BRICKFORM Gem-Seal, Poly-Astic, Poly-Seal, Safety-Seal, or Satin-Seal. Please get a copy of the appropriate Technical Information and Material Safety Data Sheet before attempting to use these products. Once sealed, protect the surface from foot traffic for 24 hours and vehicular traffic for 5 days.

## **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 Antique Release/Efflorescence Remover, according to the BRICKFORM Antique Release/Efflorescence Remover Technical Information Sheet.

## **WARRANTY**

This product is not intended for public use and is intended for use by trained, professional contractors and installers. 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 affects or as results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven to be defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

## **MANUFACTURER**

BRICKFORM, A Division of Solomon Colors, Inc.

## **ORDER SPECIFICATIONS**

### **Product**

SM Professional Grade

### **Shipping Weight:**

60 lbs (27.22 kg) bag

### **Item No.**

MT-4000