



# BRICKFORM® Micro-Topping SG™

Two-Component Concrete Topping - Smooth grade, white

## FEATURES

- Durable
- Economical
- Easy To Install
- Interior/Exterior Use
- Long Lasting
- Use With Overlay Colorant

**PRODUCT DESCRIPTION AND USE** • BRICKFORM Micro-Topping is a multi-purpose concrete topping designed to transform tired and distressed concrete into a beautiful new wear resistant surface. The grout mix is used with the BRICKFORM Polymer and can be smooth troweled or lightly textured, colored and/or stained to create a wide array of decorative finishes. When properly installed it permanently bonds to concrete surfaces and becomes a durable topping.

**USES** • BRICKFORM Micro-Topping is suitable for installation of fully bonded, thin-sectioned layers of up to 1/16th inch (.158 cm) each. Typical applications will include the use of the BRICKFORM SM Professional Grade as a base coat prior to top coating with the BRICKFORM Micro-Topping material. Interior or exterior applications include: hotels, casinos, restaurants, and other commercial applications as well as numerous residential applications. BRICKFORM Micro-Topping can be integrally colored with BRICKFORM Colorants (10 ounce bottles). When the topping has cured, additional coloring can be added with the BRICKFORM Blush Tone Acid Stain, BRICKFORM E-Stain, BRICKFORM Pro Dye or BRICKFORM ARTesian water based stains to create variegated, marbled looks. The product can also be stained a solid color with BRICKFORM Freestyle Pro.

**LIMITATIONS** • The surface of the concrete must be profiled and a base coat of SM Professional Grade must be installed to prevent telegraphing of surface preparation processes. Applications of BRICKFORM Micro-Topping greater than 1/16th inch are not recommended. Applications of more than three layers of BRICKFORM Micro-Topping totaling more than 3/16th (.476 cm) of an inch is not recommended.

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.

**COLORING** • BRICKFORM Micro-Topping can be integrally colored using 10 ounce bottles of BRICKFORM Colorants available in 39 standard colors.

**PACKAGING** • BRICKFORM Micro-Topping is available in 40# bags of white or gray grout and is used with the BRICKFORM Polymer that is packaged in 5 gallon re-sealable plastic pails. Shelf life of properly stored materials is approximately one year.

**STORAGE** • Store BRICKFORM Micro-Topping powder in a safe, dry place. Protect from moisture intrusion by keeping the bags covered with plastic. Protect the BRICKFORM Polymer from freezing.

**COVERAGE** • BRICKFORM Micro-Topping will cover between 150-350 square feet per bag depending on the depth at which it is applied and the texture and porosity of the surface to which it is applied. Applications over the BRICKFORM SM Professional Grade base coat can yield greater coverage rates.

**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 Micro-Topping 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 Micro-Topping 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 Micro-Topping 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 Micro-Topping. 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 Micro-Topping. Additional relief cuts in the area of repaired cracks can be done before or after the application of the Micro-Topping.

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** • Temperatures should be in the range of 55-80°F (12.8 C – 26.7 C) before mixing and placing material. Do not use in extreme temperatures or windy conditions. Substrate temperature can affect set times. Application of the material in a representative test area is recommended to help determine set times.

BRICKFORM recommends the application of a base coat of BRICKFORM SM Professional Grade prior to applying the BRICKFORM Micro-Topping to smooth the surface and eliminate depressions in the concrete surface greater than 1/16th inch. The base coat can be applied with steel trowels or metal or rubber squeegees. Measure and add the BRICKFORM Polymer to a clean mixing vessel. Mix the base coat using 6.5 – 7.5 quarts of BRICKFORM Polymer per 60# bag of SM Professional Grade. If integral color is desired, add one 10 ounce bottle of BRICKFORM Colorant to the Polymer and mix thoroughly prior to introducing the grout. Slowly add the 60# 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. Apply the base coat over a primed surface using the BRICKFORM 007 Bond Coat (see 007 Bond Coat TIS). Be sure to apply the base coat within two hours of applying the Bond Coat.

Applying the base coat over a Surface Saturated Dry concrete surface (wet with no standing water) is acceptable also. Allow the base coat to set and then sand with 60-80 grit sanding disc on a floor machine, rub bricks or by hand in tight areas. Dry times will vary depending on ambient temperatures and conditions. Coverage rates will be between 150 – 300 square feet per bag depending on the texture and porosity of the concrete. Thoroughly vacuum the area to remove dust left from sanding.

One 40# bag of BRICKFORM Micro-Topping should be mixed with 7-8 quarts of BRICKFORM Polymer. If using the BRICKFORM Colorant (10 ounce bottle), place the Polymer in the mixing vessel first, then the colorant and mix thoroughly. Slowly add the grout to the Polymer and mix until clump free. Allow to stand 10 minutes. Remix for 90 seconds prior to placement. You can now place the Micro-Topping over the SM base coat. Be sure to prime the base coat with 007 Primer. Smoother finishes can be achieved with multiple layers of Micro-Topping.

**Note:** When using BRICKFORM Colorants (10 ounce bottles), shake the full bottle of color prior to adding it to the 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 Polymer. Use like lot numbers to ensure color consistency.

**CURING** • Additional coloring with the BRICKFORM Blush Tone Acid Stain or the BRICKFORM ARTesian water based stains should take place following a 24 hour curing period.

BRICKFORM Micro-Topping should be allowed to cure for 24 hours following sealer application before allowing foot traffic.

**SEALING** • After the overlay has been allowed to cure for 12 hours, protect the surface with BRICKFORM Poly-Astic, Gem Seal, Poly Seal, Safety-Seal or Satin-Seal. Please consult the BRICKFORM TIS for any sealer used before using any of these sealers. 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 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 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.

**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.

**HAZARDOUS INGREDIENTS** • Section 313 Supplier Notification: This product contains the following toxic chemical(s) subject to the reporting requirements of SARA TITLE III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

**CAS# CHEMICAL NAME %BY WEIGHT**

14808-60-7	Silicon Dioxide	10-25
65997-15-1	Portland Cement	10-25

Repeated inhalation and prolonged exposure may result in delayed, lung injury, especially in those with existing respiratory ailments. Acute silicosis may develop in a short time, with heavy exposure. Silicosis can be progressive and may cause death. Prolonged, unprotected exposure to skin may result in a dry, itchy rash that may abrade the skin and develop into dermatitis.

**SAFE HANDLING INSTRUCTIONS** • DO NOT TAKE INTERNALLY. Avoid contact with eyes and skin. Do not breathe dust. Close container after each use. When working with or near this product, all personnel must wear OSHA-NIOSH approved respirators. Refer to OSHA standards in 29 CFR 1910.134. Avoid inhalation and use local exhaust to keep exposures below OSHA PEL's for silica and nuisance dusts. Avoid contact with skin and eyes. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Use good hygiene when handling this product and wash and bathe after each use. Be sure to wash clothing after each use.

**FIRST AID AND EMERGENCY INFORMATION** • **Eyes:** DO NOT RUB! Rinse with water 15 minutes and SEE A PHYSICIAN IMMEDIATELY. **Inhalation:** Remove to fresh air. If respiratory symptoms persist or develop, SEE A PHYSICIAN. **Ingestion:** Drink 2 glasses of water, DO NOT induce vomiting and IMMEDIATELY SEE A PHYSICIAN. **Skin:** Rinse free of material, then wash with soap and water. If irritation persists or develops, SEE A PHYSICIAN. **In case of fire:** Product is not flammable. Use standard fire-fighting procedures without regard to product. **In case of spills:** Collect spilled powders and place in containers. Avoid generation of dust. Dispose of in accordance with local, state, and federal regulations for disposal of non-hazardous waste.

**REACTIVITY DATA** • Product is stable under normal conditions. Product will react with organic and inorganic acids (strong oxidants). Product reacts with water, forming polymerized silicates and calcium hydroxide. CONDITIONS TO AVOID: High humidity.

**ORDER SPECIFICATIONS**

Product	Shipping Weight	Container Size	Item No.
Micro-Topping SG (Gray) Kit			
	37 Lbs (16.65 kg) Bag Size(x2)	37 Lbs (16.65 kg) Bag	MT-1500
	42 Lbs (18.9 kg) Liquid Polymer	5-Gallon (19.92 L)	MT-3000

Product	Shipping Weight	Container Size	Item No.
Micro-Topping SG (White) Kit			
	37 Lbs (16.65 kg) Bag Size(x2)	37 Lbs (16.65 kg) Bag	MT-2500
	42 Lbs (18.9 kg) Liquid Polymer	5-Gallon (19.92 L)	MT-3000

**Product**  
Micro-Topping Colorant  
**Shipping Weight\***  
\* Weights will vary, depending on the color chosen. Please contact Customer Service for exact weights and sizes.  
**39 Standard Colors (except Smokey Blue)**

**FOR CHEMICAL EMERGENCY  
CALL 800-373-7542**