



BRICKFORM® Cem-Coat™

Colored Cementitious Coating

BRICKFORM Cem-Coat is a high-quality coating, made especially for use over existing, unsealed, interior or exterior, concrete surfaces. It can be used to paint a solid color or antique a textured surface. BRICKFORM Cem-Coat is also well suited to vertical applications such as brick, masonry, and stucco. BRICKFORM Cem-Coat is available in 40 standard colors and custom color matching is available.

FEATURES

- Reduces Effects Of Fungus
- Simple Two-Part Mixture
- UV-Resistant
- VOC: 90 grams/liter

PRODUCT DESCRIPTION • BRICKFORM Cem-Coat is opaque, high-strength, and perfect for any unsealed, concrete-type surfaces. BRICKFORM Cem-Coat reduces the effects of fungus and is designed to be extremely UV-resistant. Packaged as a two-part mixture, each kit contains equal portions of powder and a colored liquid that must be thoroughly mixed together, prior to application.

USES • BRICKFORM Cem-Coat can be used on any unsealed concrete surface. It is ideal for any application where a brightly-colored concrete surface is needed, and when decorative accents, such as decorative sandblast stenciling, corporate colors, or company logos are specified.

LIMITATIONS

- Cem Coat Must be used within 3-4 hours of initial mixing of the two components.
- Warmer conditions will shorten the pot life of the Cem Coat.
- Variations in color can occur between different batches. Mix different lot numbered materials together.
- Cem Coat must be applied in thin layers.
- Cem Coat must be sealed. Care must be taken to keep the slab clean and free of stains and moisture until it can be sealed.

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.

Cem-Coat is a made to order product. Brickform recommends determining coverage rates for projects during the mock up process and ordering additional product from the same batch to ensure color uniformity across the slab. Material from different batches should be mixed together to ensure uniform coloration.

COLORS • Brickform Cem Coat is available in all 40 colors. Custom color matching is also available.

PACKAGING • Brickform Cem Coat is packaged as a two part mixture and is available in Small and Large Kit sizes.

COVERAGE • 75-125 ft² per small kit, 350-450 ft² per large kit. Coverage rates vary dramatically depending on the porosity and texture of the slab and ambient conditions. A mock up is strongly recommended to determine coverage rates for each project.

STORAGE • Shelf life for pigmented Cem-Coat is 3 months from date of manufacture. Un-pigmented Cem-Coat shelf life is approximately 6 months. Store in a safe place. Keep containers tightly sealed. DO NOT allow product to freeze. Material that is frozen CANNOT be used when thawed.

CAUTIONS • KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. DO NOT TAKE INTERALLY. Avoid contact with eyes and skin. When working with or near the powdered portion of this product, all personnel must wear MSHA-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. Avoid contact with skin and eyes. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Wash splatters from skin immediately. 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.

WARNING • BRICKFORM Cem-Coat is not a final coating and care should be taken to keep the area clean until a sealer can be applied. NOT recommended on dense surfaces such as marble, granite, porcelain, terrazzo or tightly troweled, smooth, dense concrete.

PREPARATION • Surface preparation is the most important process when using any topically applied product available from Brickform. Brickform follows the surface preparation techniques recommended by the International Concrete Repair Institute outlined in its Guideline No. 310.2R-2013 (formerly 03732) Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. This Guideline is available at icri.org and Brickform highly recommends obtaining a copy and thoroughly familiarizing yourself with the various processes for accurately preparing concrete slabs.

The slab must be fully cured for this product to perform properly. Generally speaking, newly poured slabs must be at least 28 days old. The curing conditions including temperature and humidity have a dramatic effect on how fast or slow the slab cures. Cooler conditions will slow the curing process and these factors must be considered when determining whether a slab has adequately cured for the installation of this product.

Surface preparation requirements are different for every slab and the installer must determine what process is appropriate for the slab they are working on. The recommended surface profile for Brickform Cem Coat is a CSP 1 or CSP2 as defined by the Guideline 310.2-1997 mentioned above. The application area must be profiled and then thoroughly cleaned. All grease, oil, stains, stain residues, rust, sealers, waxes and the like must be completely removed prior to application of the product. Newer slabs must be profiled as well and any weak cement paste at the surface must be removed for proper long term bonding of the Cem Coat.

The use of Brickform E-Etch, a mild etching and cleaning solution, followed by Brickform's Neutra-Clean and clean water rinses may be appropriate for the slab. Please refer to the TIS for these Brickform products for proper use. See also the Brickform E-Etch video online at www.brickform.com.

Acid etching with Muriatic (Hydrochloric) Acid solutions may be appropriate for slabs that require more aggressive etching and cleaning. Solutions as light as 1:20 (acid:water) to as heavy as 1:1 may be necessary depending on the slab finish. When acid washing, it is very important to protect surrounding areas from damage. Plant and animal

life, certain finishes on houses, metals, and the like can all be negatively impacted if acid solutions are not used responsibly. Be sure and wear proper personal protective equipment when acid washing. Always pre-wet slabs that are to be acid washed and always neutralize the slab with Brickform's Neutra Clean following the acid wash. Do not allow acid solutions to dry on the slab as dried residues will prevent the sealer from bonding. See www.brickform.com for a video on How to Acid Wash Concrete.

Other mechanical techniques such as grinding, scarifying, shotblasting or sandblasting may be necessary to prepare the slab. See www.brickform.com for other surface preparation techniques using mechanical methods.

Old sealers and cure and seal products must be removed as well. Brickform's Strip-It is an alternative to mechanical methods for their removal. Please review the TIS for Strip It prior to using this product.

The application area must be completely clean and free of grease, oils, dirt, rust, waxes, and organic stains. Mechanical removal of these may prove aesthetically displeasing. There are a number of stain and wax removers and enzymatic cleaners available either commercially or via the internet that work well in these situations.

When using pressure washers to clean slabs, use equipment with a minimum of 3000 psi at 4 gallons per minute. Rotary floor scrubbers with black or red pads are effective for cleaning flat floors. When using rotary floor scrubbers on stamped slabs, nylon bristle brush attachments are necessary to reach imprinted areas effectively.

Once the slab has been profiled, all contaminants and potential bond breakers removed, and thoroughly cleaned, allow the slab to complete dry prior to application of the product.

NOTE: Brickform strongly recommends jobsite samples or mock ups with these products. Individuals who will be performing the work should test different sections of the concrete to determine suitability, coverage, coverage rates and final appearance.

This product is not recommended for pre-sealed or dense surfaces such as glazed tile, marble or granite, dense brick, dense slate, or terrazzo. Dense, power trowelled concrete slabs MUST be properly profiled and cleaned for proper adhesion of this product. Properly prepared surfaces will readily absorb water. Water beading up or remaining on the surface indicates additional preparation and cleaning is required.

Do not use this product where hydrostatic pressure is present.

APPLICATION • Please watch the Cem Coat application video at www.brickform.com.

Brickform Cem Coat comes in two parts: a pigmented liquid and a powder. The two parts must be thoroughly mixed together in equal portions. Always add the powder to the liquid for even dispersal. Using a variable speed drill and a squirrel cage mixer, mix until clump free—usually 2-3 minutes. Be sure to scrape the sides and bottom of the mixing container to ensure all product is mixed. Small quantities of water can be added to the kits to thin the Cem Coat. Add no more than 8-10 ounces per Small Kit and 32-40 ounces per Large Kit. Note: If you add water to one kit on a job that requires more than one kit, add the same amount of water to all kits required to complete the project to ensure color uniformity. If you have color from two different lot numbers, intermix to assure color uniformity.

Apply Cem Coat with a brush, roller or an airless sprayer. Be sure to run the material through a paint strainer when using an airless sprayer.

When rolling, use a 1/2"-3/4" nap roller cover depending on the texture of the slab. Apply evenly and in thin applications. Be sure to eliminate all roller lines/marks by back rolling.

If a second coat is desired, allow the first coat to fully dry prior to applying the second coat. Drying times will vary depending upon ambient conditions.

Use all mixed material within 3-4 hours. Warmer conditions will shorten pot life.

Application temperatures should be between 55F-80F (12.8C-28.7C). Do not apply Brickform Cem Coat during inclement weather or in direct sunlight when temperatures exceed 80F.

SEALING • After the Cem Coat has been allowed to fully dry and set (this is determined by ambient conditions i.e. an application in the sun on

an 80 degree day will be ready for sealer in 2-4 hours whereas an interior application on a basement floor would probably need 24 hours), protect the surface with Brickform Gem-Seal, Poly-Seal, Safety-Seal, Satin-Seal, DecoPoxy, UreMax or Poly-Astic. 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 routinely cleaned with Brickform's Neutra-Clean diluted with water and rinsed thoroughly. E-Etch can be used to remove some stains and hard water deposits. See the Technical Information Sheet for Neutra-Clean and E-Etch.

The sealer should be inspected regularly for signs of wear. Re-apply sealer as needed following a thorough cleaning, degreasing and stain removal.

For interior applications, the use of Dura Wax as a sacrificial layer and floor maintenance system is recommended. See the Technical Information Sheet for Dura Wax for proper application of this product.

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® Cem-Coat™ Suggested Short Form Specification: All concrete flatwork designated in the plans and specifications as being colored with a cementitious paint shall be painted with BRICKFORM Cem-Coat, in accordance with the BRICKFORM Cem-Coat Technical Information Sheet, using _____ color and a minimum of _____ gallons (_____ Liters) Per 100 square feet (9.29 m²). All colored and antiqued surfaces shall be sealed with BRICKFORM Gem-Seal, Poly-Seal, Safety-Seal, Satin-Seal, DecoPoxy, UreMax or Poly-Astic in accordance with the corresponding Technical information Sheet. All products shall be manufactured by BRICKFORM, 800-483-9628, Rialto, CA 909-484-3399.

ORDER SPECIFICATIONS

Product - Cem-Coat

Shipping Weight: Kit Size:
13 Lbs (5.85 kg) 1-Gallon (3.785 L)
42 Lbs (18.9 kg) 4-Gallons (15.14 L)

Item Number - Color	Item Number - Color
CC-100 Dark Gray	CC-700 Terra Cotta
CC-115 Venetian Pink	CC-735 Cappuccino
CC-200 Medium Gray	CC-810 Walnut
CC-250 Oyster White	CC-820 Muted Green
CC-300 Nutmeg	CC-825 Slate Green
CC-310 Cream Beige	CC-900 Black
CC-320 Golden Sandstone	CC-1000 White
CC-325 Sandstone	CC-1010 Smokey Beige
CC-330 Coconut	CC-1015 Blush Beige
CC-350 Desert Tan	CC-1020 Antique Rose
CC-375 Buff Tan	CC-1030 Ash White
CC-425 Autumn Brown	CC-1035 Summer Beige
CC-500 Tile Red	CC-1040 Weathered Sage
CC-515 Sunbaked Clay	CC-1045 Shadow Slate
CC-525 Dusty Rose	CC-1050 Antique Cork
CC-550 Brick Red	CC-1055 Pecos Sand
CC-575 Victorian Red	CC-1065 Quarry Red
CC-600 Light Gray	CC-1070 Sandy Buff
CC-615 Stone Gray	CC-1075 Rose Taupe
CC-625 Dover Blue	CC-1080 Adobe Buff
CC-650 Smokey Blue	CC-1090 Sun Buff