

## PRODUCT DESCRIPTION

Brickform Cem-Coat is a high strength, cement-based concrete coating perfect for any unsealed concrete type surfaces. Each kit contains equal portions of powder and a liquid designed to be thoroughly mixed together prior to application. Cem-Coat is designed to be used where re-coloring existing concrete is desired. Whether a solid color, antiqued, or an artistic stained surface, Cem-Coat offers versatility in applications and final outcomes.

## FEATURES

- Opaque Color
- UV-resistant
- Water-based
- Interior/exterior use

## COVERAGE RATES & PACKAGING

- Available in 3.5 & 1 gallon kits. (1 gal kit contents total about 2/3 gallon of material).
- Cem-Coat will cover approximately 75 ft<sup>2</sup> (6.96 m<sup>2</sup>) to 125 ft<sup>2</sup> (16.25 m<sup>2</sup>) per gal.
- Available in 40 standard colors.

## STORAGE & SHELF LIFE

- Store in a safe, dry place between 40°F (4.4°C) and 80°F (26.7°C). Keep containers tightly sealed. DO NOT allow product to freeze.
- Shelf life is approximately 3 months.

## USE & APPLICATION

### PRECAUTIONS:

Brickform strongly recommends jobsite samples or mock-ups with these products. Cem-Coat should be applied when the air temperature is between 50°F (10°C) and 85°F (29.5°C). Protect all surrounding areas to reduce the possibility of staining during application. Please obtain a copy of the appropriate Technical Information Sheet and SDS for each product before attempting to use. Warm weather will shorten pot life. Use within 1-2 hours. Cem-Coat is not a final topping and must be sealed to protect its appearance. It is important to protect the surface from rain, irrigation systems, moisture, and potential staining until it can be sealed.

- A Moisture Vapor Evaporation Rate test in accordance to ASTM F1869 is recommended prior to application. Results should not exceed 5 lbs per 1000 ft<sup>2</sup> per 24 hours. Relative humidity above 75% is not recommended as per ASTM F2170.

### 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 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. This Guideline is available at [icri.org](http://icri.org) and Brickform highly recommends obtaining a copy and thoroughly

familiarizing yourself with the various processes for accurately preparing concrete slabs.

- Unless noted in earlier sections of this Technical Information Sheet (TIS), 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 310.2R 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. 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.
- The use of Brickform E-Etch, a mild etching and cleaning solution, followed by Brickform's NeutraClean 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](http://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](http://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](http://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.
- 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.

Surface preparation videos can be viewed at [www.brickform.com](http://www.brickform.com)

#### MIXING:

- Remove the bag of powder (dry component) and the container of liquid polymer/color (wet component). Aggressively shake the wet component to loosen any settled pigment. Pour about 2/3 of the wet component into the pail. Re-attach the lid of the wet component and shake aggressively to loosen any settled pigment. You can also use a drill with a paint mixing attachment to loosen settled pigment. Once thoroughly mixed, add the rest of the wet component to the pail. Slowly add the dry component to the wet component while mixing with a paint mixer. Continue mixing for 90 seconds. Use a margin trowel to scrap the sides and bottom of the pail. Remix for 60 seconds. Allow material to slake for 3 to 5 minutes before remixing for another 60 seconds. Use mixed material within 1-2 hours, remixing every 15-20 minutes with paint mixer. **When using multiple units of Cem-Coat on large jobs, intermix buckets to ensure color uniformity.**

#### APPLICATION:

- Apply Cem-Coat to a dry, prepared surface. Roll using a 1/4" to 1/2" nap roller on smooth surfaces or a 3/4" nap roller on textured surfaces. If using an airless sprayer, strain material 2 times with a high-quality paint strainer. Determine which tip works best with your sprayer. Apply in thin lifts. Overly thick application can lead to shrinkage cracks, discoloration, and failure. Applied material should dry to the touch in about 45 minutes. Wait 2 hours to apply a second coat if desired.

#### STAINING & ANTIQUING:

- Use Brickform ARTesian Water-Based Stain and Antique-It to add secondary color to Cem-Coat. Blush-Tone Acid Stain will not react well with Cem-Coat, so colors will be limited.

#### SEALING

Wait until the Cem-Coat is fully dry and set before sealing. Protect from water, moisture, and staining until it can be sealed. Drying times will vary depending on ambient conditions. For example, exterior applications on a sunny, warm day may be ready for sealer in a couple hours. A cool basement may take as long as 24 hours. Use of fans to assist drying in interior applications is recommended.

Use BRICKFORM Gem Cure & Seal, Gem-Seal, Poly-Seal, or Safety-Seal for all exterior, "wet look" applications. Poly-Astic can be used to seal interior projects only if extremely good ventilation is possible. If a water-based product is desired for low odor, interior applications, use Decopoxy and/or Uremax. 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 reapplication of sealer as needed. If traces of efflorescence are present, this should first be eliminated with a gentle cleaner such as Brickform E-Etch. Brickform recommends the application of Brickform Premium Acrylic Floor Finish as a sacrificial coating on interior surfaces, reapply as needed, according to the appropriate Technical Information Sheet.

#### RECOMMENDED TOOLS & CLEAN UP

- Drill/Paint Mixer
- Paint rollers and/or airless sprayer
- Brushes

#### CLEAN UP:

Clean tools and equipment with soap and water

#### COMPLEMENTARY PRODUCTS

- E-Etch - Cleaning and etching agent, efflorescence removal
- Neutra Clean - Cleaning and neutralizing agent
- ARTesian Water-based Stain
- Antique-It
- Brickform Sealers

#### SAFETY & PRECAUTIONS

**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 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. Use good hygiene when handling this product and wash and bathe after each use. Close containers after each use. Be sure to wash clothing after each use.

#### 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.

For more information go to:

[solomoncolors.com](http://solomoncolors.com) or [brickform.com](http://brickform.com)

