

## PRODUCT DESCRIPTION

Brickform Cem-Coat Plus Plus is an opaque, high-strength, cement-based concrete coating. Applied by airless sprayer or by roller, Cem-coat Plus creates a durable architectural coating for your unsealed concrete surface. Cem-Coat Plus can be integrally colored using the BRICKFORM pre-packaged Overlay Liquid Colorant and may be antiqued or stained once cured. Cem-Coat Plus is a one component system that mixes with water, and it must be sealed to provide lasting durability.

## FEATURES

- Mixes with water
- Integral color or stain
- Apply with roller or airless sprayer
- Recolor existing unsealed concrete

## COVERAGE RATES AND PACKAGING

- Available in 8 lb. bags (3.62 kg), 4 bags per box.
- Approx. 300-400 ft<sup>2</sup> (18.58 m<sup>2</sup>) per bag.

## STORAGE & SHELF LIFE

- Store in a safe, dry place. Shelf life of unopened material is approximately 24 months.

## USE & APPLICATION

### PRECAUTIONS:

Brickform strongly recommends jobsite samples or mock-ups with these products. Cem-Coat Plus 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 Plus 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 Plus is a CSP 1, CSP 2 or CSP 3 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 completely dry prior to application of the product.

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

**PRIMING:**

Priming is recommended but not necessary. Once the surface is properly cleaned, prepared and dry, apply Triple Seven Bond Coat by sprayer or roller to the entire surface. Allow Triple Seven Bond Coat to dry prior to applying Cem-Coat Plus. Refer to the Triple Seven Bond Coat TIS prior to use.

**MIXING:**

Add 4 qts. potable water to a clean mixing vessel. Add the entire 10 ounce bottle of Brickform prepackaged liquid colorant to the water and mix thoroughly. (Note: To ensure all pigment is out of the bottle, add some water from the vessel to the bottle, shake, and pour back into the vessel). Once the water and pigment are mixed, slowly add the dry powder to the container and mix with a paint mixer until uniformly blended and lump free. Use a margin trowel to scrape the sides and bottom of the pail and 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 depending on temperatures, remixing every 15-20 minutes with paint mixer. Do not add additional water.

**APPLICATION:**

Apply Cem-Coat Plus 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 approximately 45 minutes. Wait 2 hours to apply a second coat if desired. A minimum of two coats are required. An additional application may be necessary for light colors.

**STAINING & ANTIQUING**

Brickform ARTesian Water-Based Stain and or Antique-It may be used to add a secondary color to Cem-Coat Plus. Refer to the appropriate TIS for the antiquing or staining product prior to use.

**SEALING**

Wait until the Cem-Coat Plus 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 Cure & Seal WB, Gem-Seal, Poly-Seal, or Safety-Seal for all exterior 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.

**RECOMMENDED TOOLS & CLEAN UP**

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

**CLEAN UP:**

Clean spills, tools, and sprayers with soap and water.

**COMPLEMENTARY PRODUCTS**

- Neutra Clean – Cleaning and neutralizing agent
- Triple Seven Bond Coat - Primer
- E-Etch - Cleaning and etching agent, efflorescence removal
- ARTesian Water-based stain
- Antique-it
- Sealers

**SAFETY & PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** Before using or handling, read the 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 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)

