

Brickform Cem-Coat

Product Description

Brickform Cem-Coat is opaque, high strength, UV resistant, and perfect for any unsealed, concrete type surfaces. Each kit contains equal portions of a 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

- UV-resistant, opaque color
- Interior/Exterior use
- 40 standard colors
- Custom matching

Coverage Rates & Packaging

Available in 3.5 gal kit

- 350 to 420 ft² per kit

Use & Application

Surface 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. 310.2 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. 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 310.2 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. 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 Cem-Coat 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 troweled 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.

Mixing: Cem-Coat kits come in a 5 gal. pail. 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. **NOTE: In warm weather applications, use Brickform Turtle Set to extend pot life and reduce thickening. Add up to 100 grams (approximately 3 to 3.5 fl oz) of Turtle Set and mix thoroughly into the Cem-Coat. When using Turtle Set, very slight color variations from batch to batch are common. Be sure to use equal amounts of Turtle Set on the entire job to ensure color uniformity.**

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 Cem-Coat is fully dry and set before sealing. Protect from water, moisture, and staining until it can be sealed. Apply the specified Brickform sealer following that product's TIS. Protect from foot traffic for 24 hours and vehicle traffic 5 days.

Maintenance: Sealed surfaces require maintenance. The sealed surface should be inspected periodically for areas that are thin and worn due to high traffic. For interior applications Brickform, premium acrylic floor finish can be used as a sacrificial coating, refer to TIS on this product.

Complimentary Products

The following Solomon Colors products may be used with Cem-Coat

- *E-Etch*—Cleaning and etching agent
- *Neutra Clean*—Cleaning and neutralizing agent
- *ARTesian Water-based Stain*
- *Antique-It*
- *Brickform Sealers*

Recommended Tools

- Drill/Paint Mixer
- Paint rollers and/or airless sprayer
- Swissmex Solvent Sprayer

Safety and Precautions

KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY. All concrete finishers and all onsite personnel must wear an OSHA-NIOSH approved dust respirator while applying or working around this product. Avoid contact with skin and eyes. Wear rubber gloves to protect skin and safety eye goggles. 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.

Limitations

Warm weather will shorten pot life. Use within 1-2 hours. Cem-Coat is not a final topping and must be sealed to protect 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 ft² per 24 hours. Relative humidity above 75% is not recommended as per ASTM F2170.

Storage

Store in a safe, dry place between 40F and 80F. Keep containers tightly sealed. Shelf life approx. 12 months.

Order Specifications

Product:

Cem-Coat

Item No.-Color

CC-100 Dark Gray

CC-200 Medium Gray

CC-250 Oyster White

CC-300 Nutmeg

CC-310 Cream Beige

CC-325 Sandstone

CC-330 Coconut

CC-350 Desert Tan

CC-350 Desert Tan

CC-375 Buff Tan

CC-400 Chestnut

CC-425 Autumn Brown

CC-500 Tile Red

CC-515 Sunbaked Clay

CC-525 Dusty Rose

CC-550 Brick Red

CC-600 Light Gray

CC-615 Stone Gray

CC-625 Dover Blue

CC-650 Smokey Blue

CC-660 Pool Blue

Item No.-Color

CC-700 Terra Cotta

CC-735 Cappuccino

CC-810 Walnut

CC-825 Slate Green

CC-320 Golden Sandstone

CC-900 Black

CC-1000 White

CC-1010 Smokey Beige

CC-1015 Blush Beige

CC-1020 Antique Rose

CC-1025 Copper Brown

CC-1030 Ash White

CC-1035 Summer Beige

CC-1050 Antique Cork

CC-1055 Pecos Sand

CC-1060 Pecan

CC-1065 Quarry Red

CC-1070 Sandy Buff

CC-1080 Adobe Buff

CC-1085 Saddle Brown

CC-1090 Sun Buff

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.