

Technical Information Sheet

1. Product Description

Brickform Refresh is a semi-opaque penetrating solvent-based polysiloxane pigmented stain. It is used to impart color into exterior concrete, blend together integral colored concrete surfaces or to revive old colored concrete. Brickform Refresh is ideal for converting colored concrete, or concrete with surface discolorations into a semi-opaque, consistent, natural looking colored surface.

2. Coverage Rates & Packaging

Available in 5 gal. pails.

- 750 to 1500 ft² per pail (18.4 to 37 m²/L)
- Coverage rates may vary based on surface porosity and texture. Heavy broom, textured, or porous concrete may require more product.

3. Use & Application

Brickform Refresh is recommended for re-coloring old concrete surfaces or to even out surface appearance on newly poured concrete. Refresh provides protection from water and weathering concerns.

Surface Preparation: Surface preparation is the most important process when using any topically applied product 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 properly 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. Gener-

ally, 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. 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.

The recommended surface profile for Brickform Refresh is CSP 1 or CSP 2 as defined by Guideline No. 310.2 mentioned above. The application area must be profiled and thoroughly cleaned. All grease, oil, stains, stain residues, rust, sealers, waxes etc. must be completely removed prior to application.

Using Brickform E-Etch, a mild etching and cleaning solution, followed by Brickform Neutra Clean and clean water rinses may be appropriate for the slab. Please refer to the TIS and application videos at www.brickform.com for these products for proper use. 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. Acid solutions may negatively impact plant and animal life, metals, certain finishes, and other things if not used responsibly. Be sure and wear proper personal protective equipment when acid washing. Always pre-wet slabs to be acid washed. Always neutralize the slab with Brickform Neutra Clean following the acid wash. Do not allow acid solutions to dry on the slab as dried residues will prevent Refresh from bonding. See www.brickform.com for the video *How to Acid Wash Concrete*. Other me-

chanical 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 seals must be removed. Brickform Strip-It is an alternative to mechanical removal methods. Review the Strip-It TIS prior to use. 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. Other commercially available stain and wax removers and enzymatic cleaners may 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 mockups 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: Always test a small sample area to verify proper penetration and appearance. Use Refresh at full strength; do not dilute. Use appropriate personal protective equipment when handling, mixing,

and applying. Do not use sparking tools. A brushless mixer or drill is recommended.

Thoroughly mix material before use, agitating any settled pigments at the bottom. When using 2 component Refresh, pour the entire contents of the Refresh Color Pack into the pail. Add a small amount of base material to the Color Pack jar, close lid, and agitate to loosen all pigment. Add to mixture, and thoroughly mix.

Application: On freshly placed concrete, allow the concrete to cure for several days prior to applying Refresh. Apply 2-3 light even coats with an acetone resistant sprayer. Wait until dry to the touch between coats. Keep the product agitated while applying. A conical tip or the Brickform Precision Tip are recommended on the pump sprayer for consistent application.

Apply in temperatures between 50°F and 95°F (10°C and 35°C). Avoid using in direct sunlight, especially on hot, windy days. Apply during the cooler part of the day when the surface is shaded. Use only in well ventilated areas and wear proper PPE when applying. Protect areas against over-spray as Refresh is difficult to remove. Soak up any puddles with dry rags or sponges. Do not back roll Refresh.

Sealing: For additional protection and color enhancement, seal using a high quality decorative concrete sealer. Brickform Gem-Seal and Poly-Seal are recommended. Do not roll sealer. Do not use Gem-Seal 700.

Maintenance: Clean sealed surface with Neutra Clean (diluted 32:1, approx 4 oz to 1 gal water) and clean water as needed. Refresh should be inspected periodically and reapplied every two years or as needed. If Refresh has been previously sealed with an approved sealer, reapply sealer as needed, according to the Technical Information Sheet.

4. Complimentary Products

The following Solomon Colors products may be used with Refresh

- *E-Etch*—Cleaning and etching agent
- *Neutra Clean*—Cleaning and neutralizing agent
- *Strip-It*—Surface prep and stripper
- *Gem-Seal or Poly-Seal*—Additional protection and color enhancement

5. Safety and Precautions

KEEP OUT OF REACH OF CHILDREN. Before use or handling, read SDS and Warranty. DO NOT TAKE INTERANLLY. Do not breath vapors or mist. Use only with adequate ventilation and respirator if necessary. Avoid contact with skin or eyes. Close container after each use. Use good hygiene when handling this product. Wash and bathe after use. Wash clothing after use. No smoking. Keep away from heat, sparks, open flames, and hot surfaces. Ground container and equipment. Take precautionary measures against static discharge. Use explosion-proof equipment.

6. Limitations

Brickform Refresh will not cover or hide variations in the texture, porosity or surface blemishes. Do not apply if you have damp or wet surfaces. Concrete must be completely dry prior to application. Polymer modified Overlays or patching materials may not accept the stain due to the high content of polymers. Not recommended for extremely dense or tight surfaces. Do not seal with sealers that cannot be sprayed.

7. Storage

Store in a safe place. Keep containers tightly sealed. Shelf life is approximately 36 months.

8. Warranty

This product is intended for use by licensed contractors and installers, experienced and trained in the use of these types of 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 product proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.