Technical Information Sheet

BRICKFORM® **DecoPoxy™**

Water-Based Sealer

PRODUCT DESCRIPTION
DecoPoxy is a water borne, low VOC penetrating epoxy coating that has been specifically formulated to protect interior commercial or residential cementitious floors. It provides a high gloss, wear and chemical resistance, and an easy to maintain finish, while bringing up the full depth of color on acid stained or decorative floors.

FEATURES
- Enhances depth of color on decorative surfaces and acid stained jobs.
- Provides full wet look, high gloss and high wear resistance. Ideal for commercial applications.
- Provides a long lasting easy to maintain floor.
- Excellent mechanical bond to concrete (locks into concrete).
- Improves vapor pressure resistance. (Seals concrete)
- If top coated, it increases topcoat coverage, adhesion and performance
- Small particle size allows deep penetration into concrete via capillary action.
- Brickform UreMax and Poly-Astic sealers.
- Helps prevent delamination.
- Non-Flammable, Low-Odor and Toxicity.
- Superior Chemical Resistance.
- Easy to Recoat

BRICKFORM DecoPoxy complies with the FDA US Food Code 6-101.11 for indoor construction materials when applied over flat, un-textured areas. The product, when applied according to the guidelines below, will provide a smooth, durable, non-absorptive, easily cleanable surface that meets the standard set forth in the FDA guideline for food service operations including food preparation areas.

LIMITATIONS
Apply only to concrete placed on well-drained sub floors and not subject to hydrostatic pressure. Rising moisture may bring alkali and mineral deposits to the surface at cracks and joints edges leaving a whitish film on the surface. Entrapped moisture may cause whitening of the sealer, mineral deposit buildup and delamination.

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. 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.

Do not allow material to freeze, floor temperature must be between 50º F and 92º F during application. Do not apply if temperature will drop below 42º while the sealer dries. Do not apply to floors where penetrating water repellants have been used. DecoPoxy has a useful pot life of 2 hours.

Do not apply to very smooth concrete or power troweled floors, these floors must be chemically or mechanically abraded before applying, to ensure good mechanical bonding the sealer must be able to penetrate the surface.

USE WITHIN TWO HOURS OF MIXING; discard mixed material after 2 hours even if it remains in a liquid state. DecoPoxy is white in color and will clear as it dries, if used past it's useful pot life it may not clear and may have to be stripped and re-applied.

SURFACE PREPARATION:
Surface Preparation Guidelines for all Brickform Sealers

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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 sealers is a CSP 1 or CSP2 as defined by the Guideline 03732 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 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

A representative area should be coated prior to general application to test for color, adhesion, performance and workmanship.

Once surface is prepared, dry and properly tested, apply DecoPoxy. For best results, empty B component into a separate vessel and mix thoroughly prior to adding to A component. Mix part A and part B (2 to 1 mix ratio by volume) pour into a mixing container and mix for a minimum of two minutes with a power drill and mixing paddle, failure to properly mix this coating may result in sub standard performance, for better results use the entire contents of both bottles for adequate mixing ratio, if smaller quantities are mixed, make sure it is measured properly, always mix two parts Part-A to one part Part-B.

DecoPoxy may be applied with an airless sprayer, 1⁄4" to 3/8" nap roller or painters pad at a rate of 400 to 500 square feet per kit (1.5 gallons), an airless sprayer provides a smoother, glossier finish. On interior flat surfaces a painters pad and/or a 1/4-nap roller may be used, evenly roll DecoPoxy and follow immediately behind and smooth out with the painter's pad, this eliminates roller marks and air bubbles.

Two coats minimum are recommended. Allow drying for three to six hours and apply second coat, longer time may be needed in cold weather or if applied to a damp surface, wait until almost tack free before second coat, do not wait more than 24 hours to recoat.

Always apply in multiple thin coats. If protective material will be placed on top of DecoPoxy, do not use plastic, use construction paper and do not tape anything onto the sealer, tape paper to paper. Placing tape directly on the sealer may cause moisture to rise to that area, possibly creating whitening of the film and/or delamination.

TECHNICAL DATA AND SPECIFICATIONS

Coverage Rate	400 ft2 per kit (1.5 gallon)
VOC	190 Gms x liter
Color	Milky-White
Odor	Mild
Water Miscible	Yes
Solids	35%
Shelf Life	36 months
Recoat Time	4 to 6 hours
Mixing Ratio	2 to 1 by volume (A/B)
Application Temperature	45°F to 90°F

MAINTENANCE

Floors coated with DecoPoxy may be easily maintained by using BRICKFORM Premium Acrylic Floor Finish as a sacrificial coat. Apply Premium Acrylic Floor Finish after 48 hours of curing with a lamb's wool applicator or sponge mop at a rate of 800 to 2000 square feet per gallon. For commercial applications a minimum of 5 coats and up to 10 coats are recommended. For light use or residential applications apply 2 to 3 coats. Premium Acrylic Floor Finish premium floor finish will ensure a high wear resistance, high gloss and easy to maintain long lasting finish.

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.

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