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Architectural Concrete Solutions

BOMANITE SURFACE DEACTIVATOR DRY-ETCH

Technical Bulletin

Bomanite Surface Deactivator DRY-ETCH is a unique granular surface etching compound applied to freshly poured concrete surfaces. The reaction that occurs between DRY-ETCH and the hydrating cement results in fissures and voids; small imperfections that add character and variation to the concrete surface. Available in an assortment of sizes, shapes and blends, Bomanite Surface Deactivator DRY-ETCH used in the hands of experienced craftsman will create a variety of unique patterns and textures throughout the concrete surface.

Bomanite Surface Deactivator DRY-ETCH is not a simple sugar-based product but rather a complex combination of acidic materials mixed to a particular pH that counteracts the high pH of freshly poured concrete. The granule size and shape along with exacting pH allows only certain areas or patterns to be affected in a way that is unachievable with traditional liquid based exposing products. Once the concrete has hardened the DRY-ETCH compounds are neutralized through a two-part washing process that removes residual DRY-ETCH and reduces the surface PH. This washing process may occur anytime from the next day to several days later. The top of the cast concrete has a resulting variegated finish unlike any surface retarded or sand-blasted concrete finish on the marketplace.

FEATURES AND BENEFITS:

- *Consistently inconsistent*
- *Environmentally friendly*
- *User friendly*
- *Range of sizes and shapes*
- *Zero VOC's*
- *Contains no solvents*

GENERAL INFORMATION:

Color

Clear through white to slightly yellow granules, flakes and beads.

Sizes

Bomanite Surface Deactivator DRY-ETCH is available in 9 different sizes and blends

1. Type 1 Size 2 - Crystals
2. Type 1 Size 3 - Crystals
3. Type 1 Size 4 - Crystals
4. Type 2 Size 2 - Beads
5. Type 2 Size 3 - Beads
6. Type 3 Size 2 - Flakes
7. Type 3 Size 3 - Flakes
8. Type 3 Size 4 - Flakes
9. Type 3 Size 2FB - Blended Flakes

Coverage Rates

Bomanite Surface Deactivator DRY-ETCH is applied at a rate determined through the sampling and specification process. In general, the product is broadcast at a rate of 100-2000 feet per pound. Actual coverage rates may vary depending on the desired texture and profile of the concrete.

Packaging

Type 1 and Type 2 are available in 5lb, 20lb and 50lb screw top buckets and bulk refill bags.
Type 3 is available in 4.5lb and 30lb screw top buckets and bulk refill bags.

Storage and Shelf Life

Indefinite if stored in its original container containing a desiccant bag and protected from temperatures less than 32 °F or more than 90 °F for extended periods of time. Ideal storage temperature is 72 °F.

Application

Consult the Bomanite Application Guidelines for information on the use of this product.

Limitations

- Care must be taken when handling the DRY-ETCH products. They are Acid based and require the use of gloves and safety glasses along with basic dust masks when handling and applying the products.
- Do not mix the different DRY-ETCH Types but rather layer them on the concrete surface independently to avoid premature acid reactions.
- Final appearance of Bomanite Surface Deactivator DRY-ETCH treated concrete is highly dependant upon the placing, finishing and application techniques of the installer.
- Apply only when temperature is above 40 °F. Consult The Bomanite Company prior to application in temperatures greater than 95 °F
- All concrete surfaces that have embedded Dry-Etch must be thoroughly scrubbed and lightly acid washed at a minimum to remove the reactive residue prior to sealing.

Warranty

This product is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product.

Additional product information, technical bulletins and specifications are available online at www.bomanite.com or through one of our Bomanite Licensed Contractors. For additional assistance with specifications or technical issues, contact The Bomanite Company.