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Architectural Concrete Solutions

Technical Bulletin and Application Guideline

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BOMANITE CON-SHIELD

PRODUCT DESCRIPTION

A) Composition and Typical Uses

Bomanite Con-Shield, a penetrating water-based sealer is a proprietary, hydrolyzed, lithium quartz compound designed to provide waterproofing protection and increase abrasion resistance while hardening and stabilizing a surface that would otherwise be “dusty” or soft. Bomanite Con-Shield can be used on colored or natural concrete, common brick, plaster, porous limestone, and Mexican tile. The appearance of the surface is unaffected and there is no film or coating to be worn away over time.

Bomanite Con-Shield creates a permanent, breathable, yet insoluble surface that can be used as a final coating or as a moisture protection barrier prior to the installation of topical overlays such as Micro-Top or Thin-Set. Bomanite Con-Shield works by penetrating and reacting with mineral compounds and/or siliceous materials to create a cementing/gluing effect. This in turn waterproofs, hardens and eliminates most types of efflorescence. Bomanite Con-Shield is also an excellent pretreatment to cured concrete when applying acrylic sealers and will eliminate the fogging and peeling problems that occur due to subsurface moisture.

B) Advantages and Limitations

Advantages

- Increases abrasion resistance
- Permanently waterproofs concrete
- Creates a hardened surface
- Protects acrylic sealers from fogging and peeling as a result of subsurface moisture
- Cannot be chemically or physically removed
- No retreating needed
- No mixing required
- Nontoxic
- Protects against oil, food and chemical stains

Limitations

- Bomanite Con-Shield will not seal structural cracks, voids or holes in concrete
- Existing sealers, curing agents, oils, paints and other similar materials must be removed before Bomanite Con-Shield can be applied

C) Packaging

Available in 1-, 5- and 55-gallon containers

SPECIFICATION ASSISTANCE

Consult The Bomanite Company for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

WARRANTY

This product is warranted to meet uniform quality standards within conventional manufacturing tolerances. Since no control is exercised over product use, no warranty or guarantee, expressed or implied, can be made to such use. Seller's and manufacturer's obligation under this warranty is limited to reimbursement of the purchase price of the portion of the product proven to be defective. The user assumes all risks and liability resulting from the use of this product.