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# Technical Bulletin



# BOMANITE CON-COLOR

## Permanent Staining Compound for Concrete

**PRODUCT DESCRIPTION**

**A) Composition and Typical Uses**

Bomanite Con-Color is a tinted, non-toxic, odorless, hydrolyzed lithium quartz compound that penetrates into concrete and cementitious toppings, reacting to form a hard, abrasion resistant permanent crystalline structure. Bomanite Con-Color will allow the concrete or topping to breathe, permitting moisture vapor transmission, but retards the transfer of damaging and discoloring alkali materials. When applied to concrete, Bomanite Con-Color will provide variegated and translucent coloring effects without creating a film or coating that can be worn away. Bomanite Con-Color is a viable alternative to traditional acid-based stains when a larger color palette or ease of installation is required. Patène Teres and Modena by Bomanite both utilize Bomanite Con-Color as a coloration technique. Consult the Bomanite Custom Polishing Binder for more details.

Bomanite Con-Color is spray applied using a medium airless sprayer or backpack pump-style sprayer over the concrete surface at a rate of 500-800 feet per gallon per application. Multiple applications are required to build the desired appearance and to allow reaction time between applications to lock down each lift of product. Concrete to be treated with Bomanite Con-Color must be a minimum of 14 days old, with optimum results occurring after a 28-day cure. Toppings can typically be treated within 12- 24 hours of installation. Once any residual material has been removed from the treated concrete or topping after the Bomanite Con-Color application, then a topical product such as Bomaseal C-18, Bomanite HydroLock, Bomanite Florthane WB Matte Finish, Bomanite Florthane SB, or Bomanite Epo-Clear II must be used to protect the stained surface. Consult the appropriate Bomanite Technical Bulletins and Application Guidelines for information on these products.

**B) Advantages and Limitations**

*Advantages*

- Wide range of colors
- Compatible with all cementitious Bomanite systems
- Allows necessary vapor transmission
- Eliminates dusting of concrete
- Increases concrete's density at the surface
- Increases surface abrasion resistance
- Internal humidity stabilization
- No VOC/VOS content
- Permanent application
- Prevents free-moisture migration

*Limitations*

- Surfaces must be properly prepared to provide an open profile that allows color penetration
- Requires a topical sealer or treatment to protect the surface and enhance color
- Existing sealers, coatings and contaminates must be removed prior to application
- Will not seal cracks and voids
- Excess material left on the surface can create a white, dusty residual that is difficult to remove

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## PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

**PHYSICAL PROPERTIES**

Physical ……...liquid
Odor ……none
Color …… tinted to match Bomanite color charts or any custom color
Flash point …….. none
pH ……11±
Toxicity …… none
Boiling point ……230 ºF
Freeze temperature ……..32 ºF
Environmentally …….. neutral
Solids after application ……100%
**UV Stable……Most colors**
**Consult The Bomanite Company for details**
Packaging……1, 5 and 55 gallons

## 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.