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Architectural Concrete Solutions

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## BOMANITE MICRO-TOP

### Technical Bulletin

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Micro-Top by Bomanite is a unique two-part cementitious material that will tenaciously bond to virtually any substrate including concrete, asphalt, wood, metal, and plastic. Micro-Top is a combination of a liquid polymer and a colored powder mixture. The material can be applied with a squeegee or troweled onto the surface at a thickness of approximately 20 mils (the thickness of a credit card). A wide range of colors can be applied to create uniformity or blended to create variegation in the finish. Micro-Top can reduce costly forming and coloring in outdoor treatments. Limitless color combinations and graphic designs can be used to transform damaged existing concrete or other materials into cementitious art forms, without affecting surrounding materials and fixtures.

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#### FEATURES AND BENEFITS:

- *Wide range of available colors*
- *Designer colors upon request*
- *Liquid tint packs available*
- *Applied to vertical and horizontal surfaces*
- *Non-Toxic*
- *Can Incorporate Chemical Stains/Con-Color*
- *Exceptional Bond Strength*
- *Adheres to any stable substrate*
- *Adheres to most adhesives and coatings*
- *No primer required*
- *6,000 psi minimum*
- *Fast drying times*
- *High abrasion resistance*
- *Feathers to a zero edge*

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#### GENERAL INFORMATION:

##### Coverage Guidelines

**Base Coat** On normal trowel-finished concrete, one bag (four gallons/56 pounds) of Micro-Top Base Coat Powder, mixed with two gallons of Micro-Top Liquid will cover approximately 225 square feet with a two-coat application. Note: Two coats are required to achieve desired 20-mils-thickness.

**Finish Coat** On normal trowel-finished concrete, one bag (four gallons/40 pounds) of Micro-Top Finish Coat Powder, mixed with two gallons of Micro-Top Liquid will approximately cover 600-1,000 square feet with a one-coat application. Note: Finish coat is an optional application and done primarily for aesthetic purposes. Smooth trowel techniques will yield greater coverage rates than heavy trowel techniques. Ultimate coverage rate will depend on the desired texture of the finish coat application.

##### Colors

60 standard colors – Refer to the Bomanite Standard Color Chart for color selections and names. Custom colors available. Also available in standard gray and white base.

##### Shelf Life

Approximately 18 months. Keep Micro-Top Liquid stored indoors and above freezing temperatures. Micro-Top Powder should also be kept indoors and away from moisture.

##### Suggested Sealers

Bomanite Hydrocoat  
Bomanite Interior Floor Finish  
Bomanite Florthane WB

### **Technical Data**

**Bond Strength** Range: 414 - 466 PSI (ASTM D 4541)  
Average: 434 PSI

**Compressive Strength** 7-day cure: 6,225 PSI (ASTM C 579)  
28-day cure: 6,622 PSI

**Abrasion Resistance** 1000 Cycles, H-22 Calibrade wheels -- Average depth of wear: 24 mils/roughly the equivalent to 5,000 PSI concrete (ASTM C 501)

**Weathering** After 31 cycles (5,208 hours), no sign of peeling, chalking, blistering, loss of adhesion, fading or algae growth (ASTM G 43--modified to include freeze thaw cycle)

**Smoke and Toxic Fume Emission** Negligible emission (British Standard 6853)

**Skid Resistance** Dry: 65, Wet: 58 (British Pendulum Test)

### **Maintenance**

All installations should be professionally maintained on a routine basis to assure the preservation of a high-quality, long-lasting surface. This will vary depending on a number of factors including volume and intensity of traffic, UV exposure, geographical location and weather conditions. The use of a qualified flooring maintenance contractor is recommended, especially in commercial applications. Resealing will be required periodically, depending on the amount of foot traffic. Consult a qualified floor maintenance contractor for specific maintenance procedures.

### **Limitations**

Certain aggressive stains, such as animal waste, proteins and hydraulic fluids, may produce "shadowing" in the finished flooring. Any of these materials found on the substrate should be cleaned with an appropriate cleaner and then sealed with a water-based epoxy. Micro-Top will bond tenaciously to foreign materials that are bonded to the substrate, but the ultimate bond strength of Micro-Top is dependent on the bond strength of the foreign material. Micro-Top will not bond to wet or damp surfaces, grease or oil, and substrates below 40 F°.

### **Caution**

Keep out of the reach of children. Contains portland cement and free silica. See Material Safety Data Sheet for complete information.

### **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](http://www.bomanite.com) or through one of our Bomanite Licensed Contractors. For additional assistance with specifications or technical issues, contact The Bomanite Company.***