



Your Single Source For Innovative Architectural Concrete Solutions

BOMANITE MICRO-TOP XT

Technical Bulletin

Bomanite Micro-Top XT is a two-part, polymer-modified cementitious coating consisting of a unique rubber-like polymer liquid and a cement-aggregate blend. The material is applied in multiple coats by brush, roller, squeegee, trowel or sprayer to a typical thickness of 3/32 inch. It can be applied over almost any clean, sound surface including concrete, cement block, tile, metal and wood. Important characteristics of Bomanite Micro-Top XT are its extraordinary adhesion and its ability to withstand prolonged pedestrian and vehicular traffic. In these respects, the material is far superior to conventional cementitious coatings.

Bomanite Micro-Top XT provides a tough, water-retardant coating that substantially reduces water penetration, freeze-thaw scaling and concrete carbonation. It is a "breathable" coating that releases normal entrapped vapor without loosening or blistering. Typical uses include concrete exterior restoration, parking structure protection, sidewalk resurfacing, wall refinishing and installation coating, stadium renovation, swimming pool walkways and balcony deck surfacing.

FEATURES AND BENEFITS:

- *Excellent adhesion and weathering resistance*
- *Slip resistance underfoot*
- *Long wearing under traffic*
- *Retards water and salt penetration*
- *Resists ultra-violet degradation from long-term exposure to sunlight*
- *Environmentally safe (entirely water-based)*

GENERAL INFORMATION:

Colors

Micro-Top XT can be tinted in a wide range of colors. Refer to any Bomanite Color Chart for standard color selections. Custom colors are also available.

Product Data

Adhesion

ASTM C-882, Type 1 515 psi

Freeze-Thaw

Coated concrete cylinders immersed 8 hrs. in salt water solution followed by 16 hrs. freezing, 50 cycles
no scaling, peeling, flaking

Absorption

Weight gain by 4" coated concrete cube after 21 days
water immersion <2%
ASTM C-642 1.61%; volume of permeable
voids 5.07%

Weathering

ASTM G-23 (Weatherometer)
Method 1 procedure, 60 cycles
No visible degradation

Hydrocarbon Substances Resistance

ASTM D-1308 (Spot Open Test)
(21 days repeated re-application of gasoline, motor oil
SAE-10, jet fuel)
No softening or attack

Resistance to Wind-Driven Rain

Fed Spec. TT-C-565B	At 5" water pressure and 60 gal/hr. flow, no water or dampness shows on back of concrete test panels	(2 lb. Steel ball dropped from 8' height onto coated steel plate)	No cracking or detachment
Compressive Strength		Water Vapor Permeability	
ASTM C-579 Method A	2,440 psi	ASTM E-96	1.95 perms/inches
Tensile Strength		Flammability	
ASTM C-307	465 psi	ASTM E-84	Flame Spread 4 Smoke Density 0
Shore Hardness		Potable Water Compatibility	
ASTM D-2240	Durometer "A" 82	U.S. Environmental Protection Agency Criteria and Standards Division office of Drinking Water	Approved
Impact Resistance			
MIL-D-3134, Para. 4.7.3			

Sealers

For suggested interior sealers, refer to the Bomanite Sealers/Finishes Cross Reference Guideline.

NOTE: It is recommended to utilize water-based sealers for interior applications due to the hazards associated with solvent fumes.

For suggested high-performance coatings, refer to the Bomanite High-Performance Coatings Cross Reference Guideline

NOTE: It is recommended to utilize water-based or 100% solids coatings for interior applications due to the hazards associated with solvent fumes.

Maintenance

This will vary depending on a number of factors including volume and intensity of traffic, UV exposure, geographic location and weather conditions. For instance, interior applications will require a different routine maintenance program than exterior products. Residential applications typically require less cleaning and maintenance than commercial and municipal projects. In large interior commercial applications, a qualified floor maintenance contractor is recommended for routine cleaning. Consult the Bomanite General Guidelines Maintenance Schedule and product specific Bomanite Maintenance Schedules for appropriate maintenance procedures.

Limitations

- May reflect working concrete cracks.
- Do not install in freezing weather.
- Minor shade variations may occur with natural cement color material.
- Not suitable for use in areas where acids are spilled.
- May show indentations from steel-wheeled dollies or other forms of elevated point load, especially if installed over a membrane system.

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.