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Architectural Concrete Solutions

BOMANITE MODENA TG

Technical Bulletin

Bomanite Modena TG is a polymer-modified, cementitious interior bonded floor topping that is blended with selected decorative aggregates then placed and trowel finished. Once fully cured Bomanite Modena TG is ground to expose the aggregates and polished to the desired gloss level. Bomanite Modena TG can be installed over concrete or properly prepared wood substrates, with cove base and stair components generally pre-cast. Bomanite Modena TG is engineered to work best with aggregates such as granite, glass, marble, porcelain, etc. that range from 1/4" to 1/2" in size. Unlike comparable terrazzo flooring, Bomanite Modena TG is designed specifically to be polished with an aggregate gradation similar to that of concrete. Bomanite Modena TG is integrally colored in a wide range of options and may be seeded with additional aggregate when creating highly unique floors.

Bomanite Modena TG can be installed at a 3/8" to 3/4" thickness dependent upon the size of aggregate with thicker section thickness possible for select applications. Bomanite Modena TG may be lightly walked on 24 hours after placement, with grinding and polishing generally taking place after three days or longer of cure time. Testing of moisture drive and assessment of the concrete integrity prior to the installation of Bomanite Modena TG is a necessity. Due its unique concrete like properties Bomanite Modena TG can be hard troweled and paste polished if desired.

For applications where aggregate less than 1/8" in size and rapid installation is desired consult the Bomanite Modena SL Technical Bulletin. For new construction applications where the topping and base slab installation can be accomplished in one application consult the Bomanite Modena Monolithic Technical Bulletin.

As with all Bomanite Systems, Bomanite Modena TG, associated products and application procedures are available only to Bomanite Licensed contractors.

FEATURES AND BENEFITS:

- **Durable aggregate exposure**
- **May be hand seeded**
- **Integrally colored**
- **No sealers or waxes required**
- **Engineered to be polished**
- **Highly customizable**

GENERAL INFORMATION:

Colors

1 bag and 2 bag tint packs are available in the full range of Bomanite colors as found on Bomanite Coloration Systems Standard Color chart.

Note: Bomanite Modena TG is available for specification in a range of pre-determined aggregates and colors along with custom options as developed by Bomanite Licensees.

Coverage Rates

Coverage rates will vary from 20 to 30 square feet per bag. Contact your Bomanite Custom Polishing Licensee for coverage rates specific to your job.

Packaging

Bomanite Modena TG is available in 50-pound multi-wall bags and 2,500-pound super sacks.

Polymer Admixture

Bomanite Modena TG uses up to 6 quarts of Bomanite Micro-Top Liquid Concentrate diluted 2-parts water to 1-part concentrate as the polymer modifier. Bomanite Micro-Top Concentrate Liquid is available in 5 gallon and 50 gallon unit sizes.

Storage and Shelf Life

Approximately 24 months when properly stored. Store in unopened packaging in a clean, dry area protected from sunlight and freezing (between 50 to 90 °F).

Basic Application Information

Bomanite Modena TG is installed exclusively by Bomanite Custom Polishing Licensees. The following technical information is a summary to aid in the understanding of the application process and to assist the specification process. Consult the Bomanite Modena TG Application Guideline for complete details.

Surface Preparation

1. Grind or shot-blast concrete slab.
2. Optionally, install Repair Mortar @ ¼" over paper backed lathe on wood substrates.
3. Clean substrate prior to application of Bomanite XP Primer WB using broadcast sand priming technique.

Mixing

1. Blend Bomanite Modena TG powder concentrate with selected aggregates and Bomanite Micro-Top liquid in a mortar mixer or large bucket.
2. Mix thoroughly avoiding the entrapment of air and fully break up any lumps.

Placing and Finishing

1. Screed Bomanite Modena TG over prepared floor to the correct elevation.
2. If seeded aggregates are desired apply via hand and float into surface.
3. Initial trowel after Bomanite Modena TG has begun to set.
4. Final trowel and immediately apply additional Bomanite Micro-Top liquid as cure and seal over surface.

Curing

1. After 24 hours protect hardened surface by covering with scuff-proof, nonstaining builder paper and hardboard or equivalent.
2. Keep floors covered and free of traffic and loads for a minimum of 10 days.
3. Maintain an ambient temperature of 50 °F or above during the curing period.

Joints

1. Install control joints to honor those in the slab below within 24 hours of Bomanite Modena TG placement.
2. After a minimum of 3 days, apply poly urea control joint filler in all control and saw cut construction joints.

Grinding and Polishing

1. After 3 day cure time, surface shall be honed or polished to proper specifications (400-1500 grit).
2. Fill any pinholes as needed during the grinding process.
3. Utilize Bomanite Stabilizer Pro and Bomanite VitraFinish at the specified coverage rates and as part of the Bomanite Custom Polishing Process.

Cautions

- Read and observe precautionary statements on product label and MSDS.
- Keep out of reach of children.
- Avoid contact with eyes. Wear suitable protective eyewear. Flush eyes with large quantities of water.
- Avoid prolonged or repeated contact with skin. Wear suitable gloves and protective clothing. Wash exposed skin with soap and water.
- Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If breathing is difficult, move person to fresh air.
- Wash soiled clothing before reuse.
- Proposition 65: This product contains materials listed by the State of California as known to cause cancer, birth defects or reproductive harm.

Limitations.

- Do not use material if packaging is damaged.
- Do not use in areas exposed to acids, their salts or other materials known to rapidly attack or deteriorate portland cement concrete.
- Do not use on areas subjected to freeze/thaw cycles.

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.