



Advanced Elements | Mineral Terrazzo

Mineral Terrazzo is a high-quality inorganic terrazzo binder made with advanced mineral silicate technology, offering a durable, sustainable, non-toxic, and VOC-free alternative to polymer or cement-based binders. Designed for both in-situ and precast terrazzo, it can be combined with aggregates, pigments, glass, shells, flakes, wood chips, and other fillers to create highly customizable decorative surfaces in a wide range of colors, patterns, and thicknesses.

BENEFITS

- NO VOC's
- Environmentally Friendly, Non-Toxic
- Low Carbon Footprint
- NOT Moisture Sensitive
- Fast Curing, Quick Turnaround
- NO Shrinkage, Swelling, Cracking
- Resistant to extreme temperatures
- Salt and Chemical Resistance
- Not affected by UV

COLOR	Off White	
BOND STRENGTH	>2.5 MPa	>363 PSI
FLEXURAL STRENGTH	>10.0 MPa	>1,450 PSI
COMPRESSIVE STRENGTH	>40.0 MPa	>5,802 PSI
MINIMUM THICKNESS	5 mm	

MIXING & APPLICATION

Step 1: Slowly add powder to water while mixing; then mix on high speed for 2 minutes and scrape the drum/paddle.

Step 2: Moisten aggregates with remaining water, mix briefly, then add Step 1 mixture and mix for 2 minutes.

Step 3: Spread material evenly and maintain wet edges between batches.

Step 4: Screed to the specified thickness; hand-trowel edges and tight areas.

Step 5: Level and smooth the surface with a trowel and straightedge.

Step 6: Spike-roll evenly in crisscross passes to release air and level the surface before it sets.

STORAGE & SHELF LIFE

- Packed in 55 lb paper bag.
- Shelf life of 12 months from the date of manufacture, which is printed on the bag label.
- Store in a cool, dry area with stable or controlled temperature (not < 32°F, preferably 50°F - 86°F). Place bags at least 12 inches above the floor. Seal the opening bags immediately after taking a portion for use.

SAFETY

- Always carefully read the application instructions for the above products before applying. Before adding any additional material shall always test and do trials before applying on site. As materials in different locations often have different properties that can make a difference on the quality of the final product.
- Other applications not covered by this documentation may be added or available upon request.
- Read all product documents before use. Ensure aggregates are clean and dry, and perform site trials before application. Workability, drying time, color, and finish quality may vary by materials, environment, batch, and applicator skill. Use trained applicators, protect outdoor applications from rapid drying, and consider polymers, fibers, or mesh for added performance.
- Basic tools and equipment are adjustable high-speed batch mixer, mortar mixer, screed box, spike shoes, spike roller, straight-edge bar, hand shovel, hand trowel, level spreader.
- All application machines and tools shall be cleaned immediately with clean water after use. Wastewater and spilled materials need to be collected and handled properly to ensure safety for the environment and people.

**KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.
BEFORE USING THIS PRODUCT PLEASE READ THE SAFETY DATA SHEET IN ITS ENTIRETY!**

The content of this technical datasheet corresponds to the latest developments and our experiences. All information is based on ideal conditions and therefore may not be completely accurate in actual construction. Due to different types of materials, surfaces and actual construction conditions, guarantees are not given for applications. We are not liable for this information or any verbal statements. The only exception is when we can be blamed for willful negligence in liability. In that case, the customer must prove that he has fully and promptly transmitted all necessary information to us for examination and resolution. Any other details relating to the construction of our products must be confirmed in writing by us. The customer must check the suitability of the product for the intended application and purpose. We reserve the right to change the specifications of products due to ongoing development. In addition, our general terms and conditions are valid. This product documentation supersedes all previous technical data on this product.