

# microterrazzo

**MicroTerrazzo** is a high strength cementitious based, high wear resistant overlayment, with exposed aggregates toppings. It is specially designed for being used as an attractive interior decorative floor finish and a high performance overlayment.

MicroTerrazzo Cement Mix is a cementitious base used in decco MicroTerrazzo Systems - Bonded Toppings and is applied using two unique application methods - One-Pour: Dry Bond and Two-Pour: Wet Bond. Both systems are available in a multitude of colors and finish options, made available through decco AggPacks™, which when used in combination with decco MicroTerrazzo Cement Mix results in an innovative and more affordable alternative to traditional interior applications including ground or polished terrazzo. AggPack™ utilizes highly controlled and consistent fine stone, glass, pigment, sand, and other exotic aggregate blends.

decco MicroTerrazzo Cement Mix contains additives and pozzolans which reduce alkali silica reactivity. These pozzolanic materials consume free lime or calcium hydroxide subsequently lowering the alkalinity of the concrete around the aggregates and eliminating efflorescence or whitening issues that plague many exposed aggregate products.

## Product Benefits

- Decorative exposed aggregates finish
- Designed for interior and exterior applications
- Extremely abrasion and scratch resistant surface
- High wear resistance
- High impact resistance
- High abrasion resistance
- Low maintenance
- Low odor application
- Low VOC
- Ease of application
- Available in wide color range

A major advantage of decco **MicroTerrazzo System** is the ability to construct superior structural concrete that is highly decorative and extremely durable. Optimized mix designs use the benefits of larger top-sized aggregates, a greater ratio of coarse aggregates to fine aggregates, and lower cement content - resulting in concrete that has better hardened properties including less shrinkage or warping and superior load-bearing capacity.

The 28-day strength of the decco MicroTerrazzo System is equal to or greater than traditional designed concrete but the granolithic cap gains strength for an additional 30 – 60 days due to its pozzolanic additives. A unique single component, crystal clear and UV stable modified sealer is applied prior to trafficking. This sealer is a small molecule type product resulting in good penetration of the decco MicroTerrazzo Cement Mix wear layer without developing a plastic looking sheen.

decco MicroTerrazzo Cement Mix contains consistent sands that are factory controlled for color and consistency, not locally sourced. This means that unlike the inconsistencies and challenges of surface seeding into traditional ready-mix concrete, decco MicroTerrazzo Cement Mix is reliably engineered, manufactured and distributed for consistent installation at any location coast-to-coast.

## Environmental Applications

- Residential
- Retail Space
- Food serving areas
- Showrooms
- Offices
- Commercial Complex
- Shopping Malls
- Cafeteria/Bistro
- Hotel/Recreation
- Education Facilities
- Pre-cast/Slabs/Tiles

**decco**  
The Wow Surface

## **Installation**

One Pour Dry Bond Surface Preparation:

- \* All concrete surfaces must be shot blasted/mechanically abraded if a minimum 220 psi tensile pull strength is not achieved or the substrate is contaminated
- \* All surfaces must be primed with decco Epoxy Primer. All surfaces should be structurally sound, clean and free from all dirt, oil, grease, adhesives, paint, sealers or curing compounds
- \* New concrete must be at least 28 days old.
- \* Expansion joints shall be provided through the finish from all construction or expansion joints in the substrate. Do not cover expansion joints with mortar
- \* Install decco MicroTerrazzo over floor in accordance with Application section below

## **Priming**

Use decco Epoxy Primer as a bonding agent before application of MicroTerrazzo.

Agitate thoroughly before using. Apply an even thickness of 1 coat to the cleaned substrate, removing any puddles or thick areas. Additionally is highly recommended to broadcast sand on top of dry primer. Do not allow any foot traffic onto surface.

When primer feels dry to touch, typically within 24 hours, MicroTerrazzo can be applied.

## **Mixing:**

decco MicroTerrazzo Cement bag should be mixed with 6 to 7 quarts of clear water, depending on how the aggregates are absorbing it. Mix for another 3 to 5 minutes until the mix is homogeneous. Do not over water. For manual application, add product to water and mix for 5 minutes with an electrical power helical spinner mixer (1000-1400 rpm) to obtain a lump free mix. Allow mix to sit for 2 minute before use.

## **Application:**

- \* Pour blended material onto the prepared substrate at a thickness of minimum 3/4". Immediately smooth the poured mixture with a steel trowel. Finish flat and smooth using traditional concrete placement techniques. For multiple color finishes, the divider strip should be installed prior to the application.
- \* When you can walk on the freshly placed MicroTerrazzo Cement Mix without leaving marks, spray with decco WB Cure & Seal Penetrating Sealer.
- \* Leave it to be cured for 7 days before proceed the grinding/polishing steps.
- \* Grind to desired finish. At this point lithium densifiers are acceptable to use. System can be polished or ground open and sealed.

**Limitations:**

\* decco MicroTerrazzo AggPacks TM, a pre-blended mix of aggregates and pigments are REQUIRED for installation of decco MicroTerrazzo System.

\* Before application, a 100-foot square mock-up using actual jobsite products and installation methods must be produced for owner and architect approval.

\* Proper timing is essential for successful installation of this product.

\* Architectural concrete requires extra care during construction. It must be protected from staining and damage until the concrete goes into service. Many factors, including jobsite conditions and applicator methods, can affect the final shade, color and appearance of a colored concrete installation.

**Aproximate Coverage:**

One set of decco MicroTerrazzo yield a coverage of 18 square feet per 60lbs cement bag at 1/2" (may vary depending on aggregate type and size)

**Presentation:**

60lbs cement bag + 55lbs Aggpack

**Shell Life:**

12 months

**Warranty:**

decco MicroTerrazzo, a proprietary 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's and manufacturer's obligation 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. If you have any questions, please contact Bluetrade Building Materials, Inc.



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