

Outdoor Terrazzo

High-Performance Terrazzo Topping

AT A GLANCE

Eco-Binder Technology
Environmentally Friendly
100% Mineral-Based
VOC and APEO Free
Saltwater Resistant

High Abrasion Resistance
High Resistance to Chemicals
Easy Application
Pumpable
Interior & Exterior Applications

DESCRIPTION



Outdoor Terrazzo is an advanced professional grade terrazzo topping made using select additives, aggregates and high-performance cement. Outdoor Terrazzo is suitable for chemical exposure and heavy traffic areas, including industrial environments. Outdoor Terrazzo is made to match Seamless Terrazzo® for exterior areas.

Outdoor Terrazzo experiences zero shrinkage and has a very high abrasion resistance. These characteristics enable this product to be used in high performance and durable seamless floors. Thanks to Outdoor Terrazzo's unique strength at low volume, the system can be installed at lower profiles (7mm nominal). Outdoor Terrazzo is not sensitive to weather or moisture and can be applied in exterior environments.

Outdoor Terrazzo's formulation is based on harmless, VOC-free, non-hazardous raw materials.

PROPERTIES AND AREAS OF APPLICATION

Eco-Binder Technology

Environmentally Friendly

100% Mineral Based

VOC, BPA, and APEO free

Quick & Stress-free Curing

Saltwater Resistant

High chemical resistance (pH 3 - 14)

Extremely High Resistance to Abrasion

Ideal for pool areas

Smooth finish or textured bush-hammered finish possible

Easy Application

Suitable for Exterior and Interior Applications

For areas with high mechanical loads and chemical usage such as garages, warehouses, production areas, airports and power plants

System thickness can range from 7mm all the way up to 50 mm

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TECHNICAL PROPERTIES AND CHARACTERISTICS



Compressive strength (N/mm ²)	40 N/mm ² (5,800 PSI) 28 days
Flexural strength (N/mm ²)	12 N/mm ² (1,740 PSI) 28 days
Abrasion Resistance	BCA AR 0.5
NB. The application of 100 ml/m ² of ProHardener 360 is an essential treatment to maintain the correct level of abrasion resistance. The abrasion resistance also depends on the added aggregates.	
Application temperature	Min. +41 °F, max. +95 °F
Application thickness	7mm - 50mm depending on the aggregates
Consumption	2.1 kg/m ² /mm thickness Minimum thickness 8-10 kg/m ²
Mixing ratio	4.00/4.5 liters water per 25 kg powder (16-18%) Mixing ratio might change depending on the pigment colors and dust content of aggregates
Opening time:	The opening time depends on the wind, ambient air temperature and substrate temperatures. The drying time is dictated by the product temperature and the water used. For these reasons we always recommend to test a small area prior to starting full coverage.

Open to traffic

Light load	Fully loadable (Interior)	Fully loadable (Exterior)
24 hr	4 days	7 days

ANTI-SLIP SURFACES

Outdoor Terrazzo can be treated with anti-slip topical sealers or bush-hammered/textured after application.

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Substrate preparation

Before starting with the application, ensure that the substrate is stable, level and has sufficient surface tensile strength. Ensure the substrate is dry, clean and free from dust and loose debris.

Deeper cracks, holes and other defects must be filled and repaired with a rigid material. The concrete substrate should be shot-blasted in accordance with ICRI Guideline No. 03732 or mechanically scarified and then vacuumed. Surface preparation results should achieve a CSP3-CSP5 profile. The surface should be permanently vibration and crack free. Existing cracks in the floor base must be repaired professionally prior to the application of Outdoor Terrazzo.

It is important for the substrate to be dry prior to priming. The priming of the surface allows the absorbency to be adjusted, and to be secured, avoiding the formation of air bubbles in the final layer of Outdoor Terrazzo.

A second coat of primer may be applied, if necessary and must be done within 2-6 hours from the time of the first application.

Outdoor Terrazzo should be applied within 2-6 hours of the application of the primer to ensure a proper bond.

Mixing and application

To obtain a uniform appearance, the substrate must be level. Outdoor Terrazzo is screeded into place with a straight-edge and passed over with a spiked roller specifically made for cement-based overlays: the finer and longer the spikes are, the better the results. The spiked roller should only be passed over the surface, avoid dragging the aggregates. This will even the surface and remove air bubbles while reducing pinholes in the final surface. The system thickness should be a nominal 7mm.

If the substrate has no joints, the topping can be applied without joints. Outdoor Terrazzo does not require retraction joints. If the existing substrate has joints, they should be honored with a divider strip that is approved for exterior use.

Carry out a small test before the application to adjust the correct amount of water to use in the mix and to test the setting time.

Air flow, temperature and humidity in the air and substrate influences the product workability and curing time.

Mix the material with a mechanical mixing machine. Add the required amount of water (4.00/4.5 liters per 20kg of powder) followed by the powder that should be added while the mixer is engaged. Use a hippo mixer or a horizontal concrete mixer. Mix intensely for 2 minutes, let it set for 3 minutes and then mix again for 1 minute. At the beginning of the pouring process, the mortar is slightly creamy. Do not add water in this stage or the material will become even more fluid.

The floor must be protected from drying too quickly (reduce wind and sun exposure if possible) for the first 24 hrs. Do not cover the finished surface with poly-sheet goods or other materials. Review weather and temperature conditions prior to commencing installation. Temporary shelters from sun and rain may be utilized during the pouring process.



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Finishing

We recommend an application of ProHardener 360 to achieve a higher abrasion and chemical resistance. Before the application of ProHardener 360, the floor must be moistened with mist water before the application of the sealer. Do not leave puddles of water on the surface. Distribute the water with a micro-fiber mop or roller. If you apply too much ProHardener 360, it may stain the flooring and cause efflorescence. Let the ProHardener 360 dry for 1-2 hrs: do not start the grinding process before the floor is fully cured. Please contact our technical department for the right sealing system for the correct use in each case. Please refer to the respective data sheets for more information if required.

Special precautions

The application must be protected from drying too quickly (drafts or the sun) for at least 24 hours. Please take into account that during the application, due to different production batches some minor color differences are possible.

If you have different absorbent surfaces, we recommend priming with an epoxy primer to achieve a more even application. If a uniform color is desired, it is necessary to work on those designated sections with the same batch number (see label). The product is cement-based and changes in appearance due to changing working techniques, differences in temperature and substrate conditions can cause lighter color shades in the finished surface.

Please take note that this product is a mineral/inorganic product. Product colors do not fully conform to the selected color code and therefore they should only be seen as estimated classifications.

Tools and cleaning

Mixing device (drill mixer or pump), trowel, spiked shoes, spiked roller and screed rake or pin leveler. All equipment should be washed with clean water and dried before and after application.

LIMITED WARRANTY

Eton's S.r.l. warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of Eton's S.r.l.'s responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. Eton's S.r.l. shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials

