



Features

This is a polyacrylic decorative Terrazzo material for floors. The floors can be finished off in matt or high gloss finish in the grinding and polishing operation.

Available in bespoke base colours and numerous aggregate options, the FreeForm Terrazzo screed offers several technically enhanced properties over the conventional cementitious floors.

Key features include:



Slight Flexibility in Material
Less cracks | Large panel sizes



Lower Dimensional Shrinkage
Fewer cracks in concrete



Thin Layer Application
Environment friendly



High Adhesion to Substrate
Less peeling off | High bonding



Extensively Tested at Factory
Quality assured



High Workability
Fast completion of project



Low Requirement of Curing
Less supervision required at site



Water Repellence
Moisture ingress & stain protection



High Consistency of Material
Peace of mind



No Contamination
Better performance

As a result of these characteristics, one can expect high technical as well as visual characteristics, with less

pinholes, great natural looks, and long lifetime for the flooring.

Application

Residential floors, commercial and public spaces. If heavy wear is expected on the floor, the same must be specified during the selection process.

Appearance

Supplied in two components

Part A- Mortar powder Part B- Clean and dry aggregates

Specifications

Max. Aggregate Size	Compressive Strength
2-10 mm or as per request	>30 N/mm ²
Flexure Strength	Bulk Density
>6.5 N/mm ²	~1725 kg/m ³
Wet Density	Output/Coverage
~2350 kg/m ³	~2.4 kg /mm/m ²

Water Requirement

12 to 15 % of total weight of the combined material. Care should be taken to make a trial patch and check the exact water requirement- which can vary as result of the ambient weather conditions. The water content established should be maintained throughout the operations.

Work Time

Minimum of 20-30 minutes. Will be less when ambient temperatures exceed 28 °C or humidity is less than 50%.

Application Thickness

We recommend 12-20 mm thick terrazzo screed for floors, depending on the size of the aggregates.

The thickness of the layer should be approximately 2 to 2.5x of the largest sizes of the aggregates used. Use laser screed for large sites and best results.

Base Surface Preparation

The concrete base or other floor bases must be clean, free of dust and grease.

The base must be consistent, without loose particles and disaggregation. Damp the surface with potable water and apply the primer to damp surface. If steel is exposed, do not damp the reinforcement steel. The foundation should have a minimum tensile strength of 1.5 MPa. The base must be visually dry. Cracks in the base should be repaired. Weak bases must be removed or restored. The foundation should be ground or blasted and then aspirated. Use suitable FreeForm Primer.

When the subsequent material is placed/casted after drying of the primer, the surface should be vacuumed to remove loose sand particles if any.

Foam, special tapes, or other flexible separators should be used to avoid direct contact with the Terrazzo NS material.

Application/Installation Method

Please refer to separate sheet for guidance on application method.

Curing

Cover with plastic as soon as laid concrete starts to harden and will not leave marks from the covering. In case of extreme hot and windy climate, slight mist spraying of water may be recommended to prevent

excess drying out. Leave plastic covered for about 16 to 24 hours.

Grinding/Other Finish

Possible to do regular grinding, mirror polished grinding, leather/curled finish, densification, and sealer protection. Impregnating sealers are recommended. Please ask for information.

After Protection

Adequate care should be taken to cover the flooring in a dust free yet breathable manner—from works of all other trades. Staining must be prevented till floor is used.

Packing

Part A- Mortar powder 25 kg bag and Part B- 38.75 kg bag. Mix 1 bag of part A to 1 bag of part B

Shelf Life

3 months from date of packing before opening. Use within few hours of opening. Store carefully away from dampness and moisture.

Precautions

Material should be stored away from water. Use materials from different packs to reduce chance of any shade variation. Keep WC ratio and Curing conditions consistent to reduce chances of shade variation

Applicable Standards

EN 13813 Screed material and floor screeds - Screed material - Properties and requirements

Green Certification



This product is GreenPro Certificated and qualifies as Green Product by CII- Green products and services council.

Technical Support

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Disclaimer

Any recommendations for application techniques are based on experiences. It is advisable to adapt processing techniques and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery. Hairline crack formation or deformation by shrinkage on principle cannot be excluded with the offered system and thus are not considered as technical defect. Coloured products are exclusively produced from natural raw materials. Thus, colour deviations cannot be excluded. The printed colour may deviate from the original colour shade. Test areas are strongly recommended before usage/execution in larger areas.

Health Precautions

This product contains cement and has an alkaline reaction with moisture/water. Adequately protect hands and eyes. In case of contact with eyes consult doctor immediately.

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