



Features

The FF Epoxy Terrazzo Resin 101 is a premium Decorative Seamless Epoxy Terrazzo Floor Screed supplied in two parts, i.e., Resin and Hardener and optionally with a variety of fillers and aggregates.

The material is poured in place as a 6-10 mm thick decorative, seamless and polishable surface, which combines the ageless beauty of terrazzo with modern, yet environment friendly materials. The seamless epoxy matrix can be made available in unlimited colour and design options.

Proper construction of base, usage of suitable primers, grout and topcoat are additionally required for proper results of the system.

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

Private high-end residences, Government and public buildings, schools, Restaurants and cafes, Showrooms and Department stores, Airport Terminals, Hotel Receptions, Hospitals etc.

Appearance

The material is supplied in plastic buckets for the Resin and Hardener, and in bags for the filler+ aggregates. The resin systems are offered in a variety of standard colours and can also be offered in RAL shades on request.

Specifications

Max. Aggregate Size	Compressive Strength
2–8 mm or as per request	>75 N/mm ²
Flexure Strength	Adhesion
>35 N/mm ²	Higher than base concrete
Wet Density	Water Absorption
~2000 kg/m ³	< 0.2%.
Work Time	Output/Coverage
Minimum of 30-60 minutes. Will be less when ambient temperatures exceed 28 °C or humidity is less than 50%.	~2.5 to 3 kg of Resin+ Hardener + 17.5 Kg of filler and aggregates per sq. meter for approx. 10 mm thickness.

*Specifications may change without notice. Please refer to our website for the most recent TDS

Why Epoxy Resin flooring from FreeForm?

Freeform Epoxy material is made using the best raw materials, and with characteristics much superior to anything that is commonly available in the market. Terrazzo is available with all supporting materials, including samples for submission, customised colours, and a huge range of clean and dry aggregates produced in-house.

Application Thickness

We recommend to screed the floor in 6-10 mm thickness, depending on the size of the aggregates.

Use laser screed and floatation devices 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. The base/foundation should have a minimum tensile strength of 1.5 MPa and moisture/humidity no more than 5%. 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 if required. Use suitable FreeForm Epoxy Primer. Foam, special tapes, or other flexible separators should be used to avoid direct contact with the Epoxy material.

Application/Installation Method

Please refer to separate sheet for guidance on application method.

Curing

Tack dry and walkable in 24 hours. Full cure 7 days. Strictly protect from dust for the first 24 hours after casting. Curing time of the material and the system is influenced by ambient temperatures, with higher temperatures hastening the curing times and lower temperatures slowing it down.

Grinding/Other Finish

Normally two finish options are possible to employ. One is to do a mirror polished floor with polishing stones up to grain 3000 or higher and then followed by buffing pads and sealing with a regular sealer. Other is to do a basic polishing till 320 grain fineness and then seal the floor with a premium sealer. Please ask for information.

After Protection

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

Packing

Part A - 5.1 kg Resin in plastic container and

Part B - 1.9 kg Hardener in plastic bottle

(7 kg combination)

Filler+ Aggregates to be ordered separately

*Pack sizes are subject to change without notice

Shelf Life

Twelve (12) months from date of packing in unopened condition. Use immediately after opening. Store in a cool, dry place, away from sunlight. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Precautions

The product is intended for professional use and with proper PPE equipment only. Proper preparation of base, and use of a suitable and effective moisture vapour barrier is required for substrates on grade or below grade.

Before use of material, premixing of Part A of resins may be required before use to achieve uniform colour dispersion.

Please read carefully the application guidelines before start of work.

Applicable Standards

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

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.

Cementitious and Epoxy Floors | Wall Finishes | Tile Adhesives | Base Materials | Sealers | DIY