

# TerraFloor

TerraFloor is a 100% solids, two component specially formulated multi polymer system containing coloured pigment and mixed with a wide selection of decorative aggregates. TerraFloor is trowel applied to 5-8 mm thickness to provide an attractive Terrazzo finish.

TerraFloor provides outstanding durability and wear, resulting in the lowest life cycle costing of any commercial flooring system available. TerraFloor does not support bacterial growth and is also available in conductive form to dissipate static charges

TerraFloor is the best thin-set terrazzo system offering the lowest maintenance costs and the quickest pour-to-grind installation time. TerraFloor is stronger, more durable, and not prone to cracks. In addition to the quick curing and finishing time, TerraFloor is lighter in weight than thicker cement based Terrazzos, thus is more suitable for multi storey uses.

## Features:

- Seamless and hygienic
- Excellent abrasion resistance
- Excellent stain and chemical resistance
- High impact resistance
- Easy cleanability
- Non porous finish, which does not support bacterial growth, mold or mildew.
- Extremely durable, which translates into lower life cycle costs.
- Weighs less than conventional Terrazzo or granite floorings.

## Applications of TerraFloor:

- Airports
- Shopping Malls
- Multiplexes
- Cafeteria
- Hospitals.
- Restaurants
- Office interiors
- Schools
- Convention centers
- Metros
- Retail facilities
- Health care facilities
- Food processing
- Commercial kitchens
- Theme parks
- Pharma
- IT
- Computer rooms
- Clean Rooms
- Beverages
- Processing areas

## Installation techniques:

- TerraFloor can be installed over the most clean properly prepared concrete slabs. The concrete needs 28 days ambient curing and the residual moisture should not exceed 5%. Use the best surface preparation equipments such as grinders, shot blasters, scarifiers etc. to get the surface profile of 150-200 microns. Apply Terra 16 as primer and spread @ 5 sq.mt. / litre to attain a DFT of around 200 microns. Allow the primer to part-cure for 30-45 minutes. Primer should not be fully cured. Mix TerraFloor SL resin and hardener in 2 : 1 by volume. Add 5-8% Epi colour to get the desired shade. Add 4 parts of decorative aggregates. Mix the contents with the aid of a high speed stirrer. Trowel the TerraFloor mixture and level to the desired thickness specified in the architect's design. Use a roller to compact the layer and allow to cure over night (at least 18 hours).

Next day, grind TerraFloor by diamond polish grinders and polish the surface using progressively from coarser grit to finer-grit abrasives to reveal the natural beauty of the decorative aggregates.

- Grout Terrazzo surface with Terra Gel to seal the surface and fill the pores and pinholes. Allow the floor to cure over. Polish by grinding the surface with fine-grit stones. (Grouting and polishing procedure may need to be repeated if porosity remains).
- The final step is to apply 2K water borne PUD based coating (Terra Top) which makes the surface more resistant to water, chemicals, oil, grease, cleaning chemicals etc.

## Physical properties:

Type	Multi polymer : Epoxy/EPU
Finish	Gloss
Compressive strength	81 N / mm <sup>2</sup>
Flexural strength	14 N / mm <sup>2</sup>
Tensile strength	4.7 N / mm <sup>2</sup>
Bond strength	5 N / mm <sup>2</sup>
Water absorption	Less than 1%