

# EPTop Terrazzo 200

## Epoxy Based Decorative Terrazzo system

### Description

EPTop Terrazzo 200 is a basically Seamless Decorative floor coverings are a great alternative to commercial vinyl, ceramic tiles and plain new or old concrete surfaces. This product having five component solvent free system pre-weighed for on-site mixing. The floor provides a hard wearing, smooth light reflective, impervious and easy to clean treated surface. A Specialist applied self-smoothing, epoxy resin floor finish combining outstanding wearing properties with chemical resistance and multi-colored, decorative, Texture and having good abrasion resistance properties.

EPTop Terrazzo 200 is a blend of epoxy resin systems and selected special silica fillers and pigments. Each system contains 5 pre-weighed materials of exact proportion for mixing and use on site. It is basically designed for use in wide range of industrial environments where a lasting to low maintenance floor is required.

### Uses

Ideal for Public areas, Shops, Showrooms, Department stores, Designer outlets, Restaurants, Garden Centers, Schools, Airports, Hospitals, Stadiums, Industrial buildings, Corporate Offices and Commercial kitchen

### Advantages

- Fast curing and rapid installation
- Can be overlaid onto existing ceramic tiles, Marble, granite, terrazzo floors
- Attractive decorative finish
- Extensive design potential
- Seamless and Hygienic finish
- High Chemical resistance
- High Scratch resistance
- Easy to clean and maintain

### Surface Preparation

It is essential that EPTop Terrazzo 200 is applied on hard, sound clean and free of dust surface in order that maximum bond strength is achieved between the substrate and flooring system. The laitance should be removed by grinding or grit blasting. The light laitance has to be removed by acid etching followed by thorough washing with clean water.

### New Concrete

The new concrete or cement substrate on which the system is likely to be applied should be 28 days old and have moisture content less than 5%. If moisture contents is more than 5% use GAC special primers Primex about 3 minutes to get a homogeneous mixture. Once mixed the primer should be applied immediately on to the prepared concrete surface after the primer application, the surface has to be kept for self-cure before proceeding to the next.

### Priming

The concrete surface after proper and thorough surface preparation has to be primed with Primex primer. It is designed basically for better adhesion with the substrate and the flooring system. The primer should be mixed in the given proportions supplied. The entire contents of the hardener should be poured into the base and should be mixed using a low speed drill machine with an Attach first stage of operation after 24 hours the self leveling should be carried out.

### Product Mixing

Mixing of EPTop Terrazzo 200 the reweighed packs of the five components resin, hardener, filler, Colour paste, and Terrazzo Flakes has to be mixed for 3minutes with slow speed drilling machine fitted with a mixing paddle. The components should be mixed in a suitably sized mixing vessel. The Colour paste should be added to the base and should be stirred for 30 sec. Then add the hardener component to the base until an even Colour and texture is obtained. Now add the filler content graded aggregate to the mix slowly and continue the mixing for about 2 to 3 minutes slowly until a completely homogeneous mix is obtained.

### System Layer

- Primer: Primex
- Sand Seeding: Quartz Graded Sand
- Topping: EPTop Terrazzo 200
- Sealer Coat:

### Application Methods

The material once mixed should be used within its specified pot life: the material is poured on to the primed surface and spread it to the required thickness with a notched steel trowel and immediately broadcast the Colored flakes on wet on wet surface. Next day remove the un-bonded flakes by broom or air blower then applied clear sealer coat required thickness. Care should be taken not to over work the resin, spread evenly and slowly, the floor should be firmly rolled with a spiked nylon roller to help release any entrapped air in the material and help level any slight roll marks.

The rolling should be carried out using a "back and forth" technique along the same path. An overlap of 50% with adjacent paths is recommended.

### Cleaning

EPTop Terrazzo 200 can be removed from tools and equipment by using Tool Cleaner immediately after use. Any hardened material will need to be removed mechanically.

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### Product Properties

|  |                    |
|--|--------------------|
| Mixed Density                          | Approx. 25 minutes |
| Pot Life @ 30°C                        | Approx. 20 minutes |
| Working Time @ 30°C                    | 24 Hours           |
| Foot Traffic @ 20°C                    | 48 Hours           |
| Full Traffic @ 20°C                    | 48 Hours           |
| Vehicular Traffic @ 20°C               | > 70               |
| Shore D Hardness: 7 Days (ASTM D 2240) | 7 Days             |
| Chemical Resistance @ 30°C             | 7 Days             |
| Full Cure                              | >92 N/mm2          |
| Compressive Strength:7 Days (BS 6319)  | >81 N/mm2          |
| Flexural Strength:7 Days (BS 6319)     | Min 6 mm           |
| Application Thickness                  | 2.050 gm/cc        |
| Absorption(% ,Kg/m3)                   | <0.05(Nill)        |

### Storage and Shelf Life

1 year if stored in cool dry place

### Health & Safety

EPTop Terrazzo 200 should be applied with gloves and care should be taken to see that it does not fall on skin or eyes. Splashes on to eyes have to be immediately washed with plenty of clean water and medical advice has to be taken.

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