

Product Data Sheet
Edition 07.2008
Identification No. F - 14



KEMFLOOR TZ

Decorative Terrazzo Epoxy Flooring

Description

KEMFLOOR TZ Terrazzo flooring is an epoxy resin composition which incorporates a special blend of marble chips, glass and ceramic coated quartz aggregates. KEMFLOOR TZ requires minimal grinding, resulting in a terrazzo finish that is thin-section, jointless and extraordinarily durable. Typically installed to thickness of ¼" (6.35 mm) or 3/8" (9,52 mm),. KEMFLOOR TZ Terrazzo is available in a wide range of custom background colors .

Where to use

Any areas where terrazzo floors are traditionally used, including:

- Restaurants & cafes
- Car showrooms
- Hotel receptions & shopping centres
- Hospitals & pharmaceutical manufacturing, etc.
- Airport terminals & railway stations/platforms
- Government buildings & public buildings

Advantages

KEMFLOOR TZ is characterized with the following advantages:

- Seamless, durable & decorative
- Excellent compressive & flexural strength
- Impressive design capabilities (i.e. incorporate company logo, motifs, etc.)
- Highly versatile, no shrinkage, repairable, low maintenance & easy to clean.

Properties

Abrasion Resistance	0.07 gm. Loss
Flexural Strength	25N/mm ²
Water Absorption	Nil
Vapour Permeability	2gm/m ² /8 mm /24 h
Surface Hardness	300 seconds
Compressive Strength	65 N/mm ²
Fire Resistance	Spread of Flame Class 2 to BS 476 :part 7
Chemical Resistance	Very Good
Tensile Strength	13 N/mm ²

How to use

Surface Preparation:

Concrete Surfaces: sand-blast, acid etch, or power scarify as required to obtain optimum bond of flooring to concrete. Remove sufficient material to provide a sound surface free of laitance, glaze, efflorescence, and any bond-inhibiting curing compounds or form release agents. Remove grease, oil, and other penetrating contaminate. Repair damaged and deteriorated concrete to acceptable condition. Leave surface free of dust, dirt, laitance, and efflorescence.

Mixing:

Mix epoxy matrix flooring components when required, and prepare Materials according to flooring system manufacturer's instructions.

Application:

- Apply a membrane if specified, in case of green concrete or moisture content of concrete >4% apply a sealer coat of WETSEAL, leave to dry over night.
- Apply a priming coat of SEALER E43
- Seed the surface with 0.7 mm- 1.2 mm quartz aggregate, while epoxy primer is still wet.
- Leave the primer to be a tack free for 24 hours, immediately after mixing of epoxy terrazzo, spread epoxy terrazzo screed by a hand trowel or sledge onto primed floor, slightly thicker than the required thickness (6-9 mm), Compact and finish to the required thickness using a steel bladed trowel.
- After approximately 48 hours grind the surface and continue grinding with progressively fine diamonds, clean thoroughly by vacuum.
- When dry, apply grouting coat with light trowel or squeegee to fill voids and allow to dry for 16 hours. Fine grinding is to be applied, clean thoroughly and allow to dry.
- Apply sealer coats with a large shot pile mohair rollers thinly avoiding ponding and ridges of sealer. Allow to cure for 24 hours at 20°C before light traffic.

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Cleaning

All tools and equipment must be cleaned after use with Prokem solvent

Theoretical coverage rates

Primer :

SEALERE43 0.2-0.3kg/m²

Topping :

KEMFLOOR TZ 21 kg/m²/8mm thick

Grout :

KEMGROUT EP 0.1 kg/m²

Sealer :

KEMFLOOR :0.1 kg/m²

Precautions

- Substrate should be fully cured prior to the application of KEMFLOOR TZ.
- An effective moisture vapor barrier is required for substrates on or below grade.
- The substrate must be structurally sound, cleaned of any foreign matter that will inhibit adhesion and dry.
- This product should be installed at a substrate temperature between 10°C (50°F) and 30°C (85°F).
- The Engineer and owner should address joint details prior to the job start with the flooring contractor.

Packaging:

5 kg pails (epoxy binder A & B), 25 kg sacks (filler)

Storage & shelf life

KEMFLOOR TZ has a shelf life of 12 month if kept in original and undamaged packing

Health and Safety`

- Use gloves to avoid contact with skins.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.