

RYECRETE TZ EPOXY TERRAZZO FLOORING



DESCRIPTION

Ryecrete TZ is an epoxy resin terrazzo produced by the combination of an inert natural coloured marble aggregate and a coloured epoxy resin matrix.

The resultant finish floor has all the beauty of a conventional marble terrazzo floor but the additional advantages of chemical resistance, thin section, no cracking and extreme durability.

Composition

Coloured solvent free epoxy resin and inert natural coloured aggregates.

Appearance

Ryecrete TZ is produced in a range of pastel background colours and 3 to 4mm aggregates to produce a terrazzo effect which is ground off to a smooth polished finish.

Durability

Excellent resistance to abrasion, impact and thermal shock. Long-term maintenance free durability.

Thickness

8mm ground down to 6mm.

TYPICAL INSTALLATIONS

Prestige industrial areas such as pharmaceutical preparation, industrial museums, foyers etc.

Substrates

Concrete and grano.

Surface Preparation

To be assured of maximum adhesion and properties from Ryebrook resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

Application Conditions

5-30°C.

Priming

Use Ryepriime TC. Please refer to technical data sheet reference TD001.

Mixing

Ryecrete TZ is a three pack product. Mix the hardener component well into the resin for a period of 1 minute until even coloured.

Transfer the mixed resin into the rotary drum mixer and add the aggregate slowly until evenly wetted.



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Application Technique

This product is laid in compliance with BS 8204-6 Type 6. The mixed Ryecrete TZ mortar is spread between gauging laths to a nominal 8mm thickness and trowelled level using a plasterer's float. Alternatively the

mixed Ryecrete TZ may be applied over large uninterrupted areas by means of a "Sledge" which should be set to the appropriate gate depth by trials on site.

The mortar is allowed to cure overnight and ground down with conventional terrazzo grinding machines to a nominal 6mm.

The ground off mortar is then grouted with Ryetech TX thixotropic epoxy grout to infill any voids.

Final fine grinding is then carried out to produce a smooth polished terrazzo finish.

To produce a first class surface the applicator must be experienced in terrazzo finish. Please consult our Technical Department for advice.

Coverage Rates

Ryepime TC	4m ² /kg
Ryecrete TZ (8mm)	16kg/m ²
Ryetech TX	10m ² /kg

SPECIFICATION DETAIL

Ryepime TC @ 225-350g/m² depending on substrate.
Ryecrete TZ @ 8mm ground down to 6mm and grouted with Ryetech TX.

Sealing

Ryecrete TZ does not require a seal coat but may be treated with the following:-

- Wax polishing
- Aliphatic Polyurethane Seal (Ryedur DD)

The beauty of the finish will develop over a period as is the case with conventional marble terrazzo.

Chemical Resistance

Ryecrete TZ exhibits the highest order of chemical resistance, please refer to technical data sheet reference TD112.

Colours

Background colours as per the standard Ryebrook colour chart combined with Red, Green, White and Black natural marble aggregates.

TECHNICAL DATA

Compressive Strength	63-75N/mm ²
Flexural Strength	33-36N/mm ²
Slant Shear Bond Strength	40N/mm ²
Elastic Modulus	5.3-6.9KN/mm ²
Tensile Strength	11.3-13.3N/mm ²
Flame Spread BS476 Part 7: 1971	Class 2
Permeability	Nil 5 hours vacuum, 1 metre water
Freeze-Thaw 24, 36 & 72 hour cycle	No loss of adhesion 30 days -40°C to +20°C

Health and Safety

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

Storage, Mixing & Application

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

Technical Advice

For further information on this or any other Ryebrook product, please contact our Technical Department on 01293 565500.