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RYEFLOR TZ POLYURETHANE TERRAZZO FLOORING

DESCRIPTION

Ryeflor TZ is a heavy duty terrazzo floor produced by the combination of inert coloured granite aggregates within a high performance polyurethane resin system. The resultant floor finish provides all the beauty of conventional marble terrazzo combined with the advantage of a heavy duty, seamless, high chemical resistance polyurethane finish.

Composition

Water dispersed polyurethane resin system with graded silica and granite aggregates.

Appearance

Ryeflor TZ is produced in a range of pastel background colours including 3-4mm granite aggregates providing a terrazzo effect which is ultimately ground off to provide a smooth polished cosmetic finish. Ryeflor TZ is not colour fast and may change colour over time if subjected to UV light. This is more apparent in light colours, but does not compromise the integrity or product performance.

Durability

Highest order of durability, resistance to abrasion, impact, chemical attack and penetration.

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.

In order to ensure the finished system remains fully bonded to the subfloor, it is recommended that the edges of the floor areas adjoining the walls are rebated to produce a cross-section of 20mm deep by 6mm wide, running at 150mm from and parallel to the wall.

Application Conditions

5-30°C Maximum relative humidity in substrate 75RH.

Priming

Priming of all surfaces should be undertaken with Ryepriime SF. Please refer to technical data sheet reference TD002. The primer should be allowed to cure for a minimum of 16 hours prior to application of the Ryeflor TZ system. (The maximum overcoating time at 20°C should not exceed 48 hours).

When applying Ryeflor TZ into wet primer, Ryepriime TC should be employed; please refer to TD001.

Mixing and Application Technique

This product is laid in compliance with BS 8204-6 Type 8. Pre-mixing of the coloured liquid component is recommended to ensure any light settlement is reincorporated. Thoroughly drain the contents of the brown hardener component into the container with the liquid colour component. Mix by low shear electric mixer for a minimum of one minute or to ensure a homogeneous mix is obtained. The resultant mixture should then be loaded into a rotary drum mixer and the aggregate component added in stages, mixing until a lump-free mix is obtained. Apply to pre-primed areas and level between battens as necessary with steel float, final finishing may be effected by "back rolling" with a short nap paint roller in order to remove any surface entrained air.



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Coverage Rates

Ryeflor TZ at 8mm - 16kg/m².

SPECIFICATION DETAIL

Ryepime SF @ 100-175g/m² OR

Ryepime TC @ 225-350g/m²

Ryeflor TZ @ 8mm - 1.9m²/30kg pack

After grinding - grouting with Ryeflor TZ Grout

Sealing

Ryeflor TZ does not require sealing, but may be treated by the following:-

- i) Wax polishing
- ii) Aliphatic clear polyurethane seal (Ryedur DD)

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

Maintenance

Ryeflor TZ is an attractive heavy duty finish and in order to maintain its cosmetic features it is essential that it is continually kept clean by regular mopping or scrubbing with mild proprietary detergents.

Cure Schedule @ 20°C at 8mm

Usable Life of Full Unit/Mix	20 mins
Initial Film Gel Time (joining up)	25 mins
Cure Time to Light Pedestrian Traffic	5-7 hours
Cure Time Prior to Grinding	Minimum 24 hours
Full Cure of System	3-5 days

Chemical Resistance

Excellent resistance of organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvent. Please refer to technical data sheet reference TD112.

Colours Available

All standard Ryebrook colours are available, however, it is recommended that pale or pastel colours are chosen for the background as this enables a cosmetic contrast with the included granite aggregate.

TECHNICAL DATA (N/mm²)

Compressive Strength to BS6319 Part 3	59.0
Tensile Strength to BS2782:320D	6.5
Flexural Strength to ASTM D790-84a	40.0
Elastic Modulus to BS2782:320D	1350.0
Slant Shear Bond Strength to BS6319	51.0
Abrasion Resistance Taber mg loss/1100kg/H18 Wheel 1000 cycles	
RRL Slip Resistance	40 Wet; 65 Dry
Surface Spread of Flame to BS476 Part 7	Class 2

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.