



Technical Datasheet
Epoxy Terrazzo Flooring

PUMAZZO TZ

DESCRIPTION

Pumazzo TZ is an epoxy resin terrazzo produced by the combination of various coloured aggregate and a coloured epoxy resin matrix. The resultant finished floor has all the beauty of a conventional terrazzo floor but the additional advantages of chemical resistance, thin section, no cracking and extreme durability.

COMPOSITION

Coloured solvent free epoxy resin and coloured aggregates.

APPEARANCE

Pumazzo TZ is produced in 12 standard background colours to produce a terrazzo effect which is ground and polished to a smooth finish. This is a specialist application beyond the remit of normal resin installations.

DURABILITY

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

THICKNESS

8 mm ground down to 6 mm or 10mm to 8mm.

TYPICAL INSTALLATIONS

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

SUBSTRATES

Concrete and grano.

SURFACE PREPARATION

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

APPLICATION CONDITIONS

Between 10 and 30°C. Maximum moisture content of 75% RH.

PRIMING

Use Pumaprime T.C. Please refer to technical data sheet.

MIXING

Pumazzo 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 a rotary drum mixer and add the aggregate slowly until evenly wetted.

APPLICATION TECHNIQUE

The mixed Pumazzo TZ mortar is spread between gauging laths to a nominal 8 or 10mm thickness and trowelled level using a plasterers float. Alternatively the mixed Pumazzo 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 6 or 8mm. The ground off mortar can be grouted with Pumagrout SF if required. 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 finishing. Please consult our customer care department for advice.

N.B. All terrazzo's will exhibit even after grouting small surface defects due to the nature of the grinding techniques and the viscosity of the grouting medium. These are not usually detrimental to the overall aesthetics and performance.

COVERAGE RATES

Pumaprime T.C.	5m ² /kg
Pumazzo TZ	20kg/m ² @ 10mm / 16kg/m ² @ 8mm
Pumagrout SF	6-8m ² /kg

SPECIFICATION DETAIL

Pumaprime T.C. @ 200-300g/m² depending on substrate. Pumazzo TZ @ 8 mm ground down to 6 mm and grouted with Pumagrout SF.

SEALING

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

I) Wax polish

II) Aliphatic polyurethane seal (Pumadur D.D.)

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

MAINTENANCE

Pumazzo TZ is an attractive heavy duty finish and to maintain its beauty it is essential that it is kept continually clean. Regular mopping or scrubbing with an appropriate cleaning agent that is recommended in conjunction with an industrial cleaning machine and a resin system.

CURE SCHEDULE

Pot life at 20°C	- 20-30 mins
Initial set at 20°C	-12 hours
Foot traffic at 20°C	-24 hours
Heavy traffic at 20°C	-2 days
Full cure at 20°C	-7 days

TECHNICAL DATA

Compressive strength	-63-75N/mm ²
Tensile strength	-11.3-13.3N/mm ²
Elastic Modulus	-5.3-6.9kN/mm ²
Flexural strength	-33-36N/mm ²
Slant shear bond strength	-40N/mm 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 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.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.

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