



# R.S. Terrazzo Marble

REF : EPTM 2013 07

## DESCRIPTION

R.S. Terrazzo Marble is a heavy duty decorative epoxy terrazzo effect seamless floor finish produced from inert granite or marble aggregates and epoxy resin. R.S. Terrazzo Marble is ideal where there is both a high wear and aesthetic decorative requirement such as shopping centres, retail outlets, airport terminals and office buildings.

## ADVANTAGES

- Decorative finish
- High chemical resistance
- Resistant to hot water
- Excellent slip resistant finish
- Extremely hard wearing

## RECOMMENDED USES

- Building entrances
- Food manufacture & processing
- Retail outlets
- Corridors
- Pharmaceutical & chemical plant processing
- Abattoirs
- Heavy duty plant and traffic areas

## PRODUCT INFORMATION

System Thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
8mm	100 %	30 kg.	1 X Base 1 X Hardener 1 X Aggregate 1 X Granite Aggregate	12 Months (Base & Hardener) 3 Months (Aggregates)	Keep out of direct sunlight. Store in a dry place, not below 15°C

## DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	First Grind	Polish after grouting	Full chemical cure
30 kg. will cover 1.3 sq m @ 10mm Ground back to 8mm	20 minutes (From Mixing)	Tack Free after 4 - 6 Hours	24 - 48 Hours	24 Hours	3 - 5 Days



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## Specification

Product : R.S. Terrazzo Marble

Finish : Smooth Gloss

Thickness : 8mm

Colour : See RSL Colour Chart

## Products required for this system

Primer : Resuprime / R.S. Dampshield

System : R.S. Terrazzo Marble

Surface Seal : Resuglaze/Resupen WB

## Preparation

To achieve the best performance from **R.S. Terrazzo Marble**, the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm<sup>2</sup>.

All surfaces must be prepared by vacuum blasting or mechanical abrasion. **R.S. Terrazzo Marble** may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity < 90% RH, with a minimum air temperature of 8°C and no condensation.

## Priming

Surfaces should be primed with **Resuprime** at an average rate of 4 sq.m.per kg. **R.S. Dampshield** should be applied if the relative humidity of the concrete is greater than 75% RH at 4 sq.m. per kg, allow to cure for 8-12 hours @ 20°C.

## Application

Where the **R.S. Terrazzo Marble** is to be installed by sledge, then a light scatter of 14/22 silica sand will aid the application.

Premix the coloured resin and then add the hardener and mix by low speed mixer for 1 minute. Place this mixture into a forced action mixer and add the aggregate components and mix for further 2 minutes to ensure a lump free mix.

Apply at nominal 10mm between battens to the primed concrete with a steel float to produce a uniform level finish.

After curing for a minimum of 24 hours at 20°C, grinding can commence on **R.S. Terrazzo Marble**. This is followed by a fine cut to remove cutting marks. Care must be taken to use appropriate equipment to achieve the necessary finish.

The flooring is vacuumed clean and **R.S. Screed Seal @ 3m<sup>2</sup>/kg** is applied with a squeegee and roller to grout in the surface. This is allowed to cure for a minimum 24 hours at 20°C then a wet polish is given to the grouted flooring.

This is then followed by a further wet polish using 100,200,400,800 mesh size as required.

An improved decorative finish, together with greater resistance to dirt retention and staining, can be achieved by sealing with:

- i) **Resutop Clear** @ 4m<sup>2</sup>/kg
- ii) **Resupen WB Clear/Clear Matt** @ 7m<sup>2</sup>/kg
- iii) **Resuglaze LS** @ 8m<sup>2</sup>/Litre
- iv) **Generic floor seal polish**

NB : All Terrazzo systems, even after grouting may exhibit small surface defects due to the nature of the grinding techniques and use of the grouting system. These are not usually detrimental to the overall aesthetics and performance of the floor.

## Category Guide

FeRFA Category : 8

## Technical Information

The following figures are obtained from laboratory tests and our experience with this product.

Slip Resistance Dry > 36  
Method BS7976 pt1-3 2002 Wet > 20

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult RSL.

Abrasion Resistance Average Depth of Wear (mm)  
Method BS8204 /ASTM D4060 0.04

Temperature Resistance Tolerant of sustained temperatures of up to 120°C @ 9mm

Chemical Resistance Excellent Chemical Resistance  
Consult RSL on specific materials

Compressive Strength Granite blend 69N/mm<sup>2</sup>

Flexural Strength 14N/mm<sup>2</sup>

Tensile Strength 6N/mm<sup>2</sup>

VOC 9 g/l  
Calculation based on a full mixed unit

Life Expectancy 10 years plus  
Subjected to Industrial Traffic  
RSL terms and conditions will apply



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### BSEN 13813 SR B 3.5 - AR 0.5 - IR>4

Resin coating/screed for use inside buildings as per RSL data sheet  
Wear resistance: AR 0.5  
Bond strength: B 3.5  
Impact resistance: IR > 4

## Maintenance and Cleaning

RSL recommend that **R.S. Terrazzo Marble** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover**, **R.S. Fats & Grease Remover** & **R.S. Oil Remover**.

All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

## Health and Safety

**R.S. Terrazzo Marble** is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish, and colour.

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