



R.S. Terrazzo Marble

Revised 05/2018 - Issue 1: REF : EPTM 2017 03

DESCRIPTION

R.S. Terrazzo Marble is a heavy duty decorative epoxy terrazzo effect seamless floor finish produced from inert 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
- Good chemical resistance
- Resistant to hot water
- Good slip resistance
- Extremely hard wearing

RECOMMENDED USES

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

PRODUCT INFORMATION

System Thickness (Recommended)	8-10mm
Solids Content by Weight	100%
Pack Sizes	30Kg
Pack Make Up	1 x Base 1 x Hardener 1 x Powder Aggregate 1 x Marble Aggregate
Shelf Life	12 months (Base, Hardener & Aggregates)
Storage	Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C

APPLICATION INFORMATION at 20°C

Coverage Rate (Practical)	30Kg will cover 1.5 m ² @ 10mm ground back to 8mm <small>* Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</small>
Pot Life	30 Minutes
First Grind	48-72 hours
Wet Polish	16-24 hours after grouting
Final Seal Coats	16-24 hours after wet polishing
Full Chemical Cure	7 days



Specification

Product : R.S. Terrazzo Marble

Finish : Smooth Gloss

Recommended thickness range : 8mm to 10mm

Colour : Limited colour range, consult Sherwin-Williams

Products required for this system

Prime : Resuseal WB, Resuprime on dry substrates, or use R.S. Dampshield on damp surfaces where required

System : R.S. Terrazzo Marble

Surface Seal : Resupen WB Clear/Clear Matt

Preparation

New concrete Floors: Must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue detergent is washed and removed by rinsing with clean water.

Existing Floors (previously coated): All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed, then please consult with our technical team for advice on intercoat adhesion and suitability as it may not be compatible with existing floor coating.

Where overcoating other systems such as epoxy coatings or screeds, as part of a specified composite system in the data sheets, please follow the recoat time as stated in the individual data sheets, the coating in each stage should be tack free, but not fully cured. If fully cured then mechanical preparation is required to ensure intercoat adhesion.

Priming

Open and porous substrates may require priming with **Resuseal WB**, also **Resuprime NT** may be used as primer on dry substrates only with less than 75% ERH reading. Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203.

The number of coats to be applied is chosen in accordance with the following table.

ERH %	Required Coating Thickness
75-85	1 coat of R.S. Dampshield at 200 microns per coat
85-92	2 coats of R.S. Dampshield at 200 microns per coat
92-97	3 coats of R.S. Dampshield at 200 microns per coat

For further information please refer to recommended individual product data sheets.

Application

The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilize prior to installation.

Mixing: Pre-mix the coloured base component to a uniform consistency then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Transfer to a forced action mixer and add the aggregate components slowly whilst mixing. Add the powder first followed by the marble aggregate. Mix for approximately two to three minutes until the three components have fully combined.

R.S. Terrazzo Marble should be worked with a trowel or float to achieve a dense, compacted finish. Apply at nominal 10mm between battens to the primed concrete with a steel float to produce a uniform level finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down.

After curing for a minimum of 48 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.

Category Guide

FerFA Category : 8

Technical Information

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

Slip Resistance	Dry > 60
Method BS7976 pt1-3 2002	Wet Please consult Sherwin-Williams

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 Sherwin-Williams.


Abrasion Resistance	n/a
Method BS8204 /ASTM D4060	

Temperature Resistance	Tolerant of temperatures up to 120°C at 9mm
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Chemical Resistance	Good chemical resistance Consult Sherwin-Williams on specific materials
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VOC	< 9 g/l Calculation based on a full mixed unit
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Life Expectancy	Up to 10 years Subjected to Industrial Traffic. Sherwin-Williams 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 data sheet Wear resistance: AR 0.5 Bond strength: B 3.5 Impact resistance: IR > 4

Maintenance and Cleaning

Sherwin-Williams 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, Oils and Grease Remover** & **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the Sherwin-Williams Guide to Cleaning of Resin Floors

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 Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams 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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