



A **SHERWIN-WILLIAMS** Company



REF : TZAZ 2016 12

Resustat Terrazzo

DESCRIPTION

Resustat Terrazzo is a static-dissipative decorative terrazzo effect seamless floor finish produced from high strength granite aggregates and water based polyurethane resin.

Resustat Terrazzo decorative surfaces meet the static-dissipative performance requirements of BS EN 61340 with an electrical conductivity leakage resistance of $<10^9$ ohms. The system is stable to steam cleaning and resistant to boiling water and process liquids.

ADVANTAGES

- Static-dissipative decorative finish which meets BS EN 61340 requirements
- High chemical resistance
- Resistant to hot water & steam water
- Excellent slip resistant finish
- Food safe & non taint (Campden BRI approved)
- Extremely hard wearing

RECOMMENDED USES

- 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
6mm to 8mm	100 %	35 kg.	1 X Base 1 X Hardener 1 X Aggregate 1 X Conductive Pack 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	Grind after grouting	Full chemical cure
35 kg. will cover 2 sq m @ 8mm Ground back to 6mm	15 minutes (From Mixing)	Tack Free after 4 - 6 Hours	16 Hours	24 Hours	3 - 5 Days



Specification

Product : Resustat Terrazzo

Finish : Smooth Matt or Gloss (after polishing)

Thickness : 6mm

Colour : See RSL for colour blends available

Products required for this system

Primer : Resustat Primer

System : Resustat Terrazzo

NB: All polyurethane systems based on MDI will yellow with time this is a surface discolouration under the effect of UV light and does not in any way affect the durability of the floor finish. Darker colours will not show this effect as much as light colours.

Preparation

To achieve the best performance from **Resustat Terrazzo**, the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm².

All surfaces must be prepared by vacuum blasting or mechanical abrasion. **Resustat Terrazzo** 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.

To ensure the maximum bond is achieved, grooves must be cut into the perimeter of the subfloor, typically 20mm deep by 8mm wide. These should be inset approximately 150mm from, and running parallel with the walls and adjacent to any doorways, plinths etc. including any finished edge, i.e. both sides of a day work joint. The groove must have a neat square edge and the **Resustat Terrazzo** laid to the full depth forming a perimeter anchorage.

Copper Strips :

In order for static-dissipative systems to function effectively, it is essential that the system connects to electrical earth. Where ground floor slabs are laid direct to earth this is often sufficient. Where floors are not directly in contact, or earthing is poor, then copper strips should be laid onto the floor and connected to form a grid and secured to a suitable earthing point.

Priming

Resustat Terrazzo is applied onto a cured coat of **Resustat Primer** two-pack solvent-free epoxy used as a high build single coat conductive primer. Coverage 21 sq.m. per 5 kg. unit.

Rough or porous surfaces may require an additional coat of **Resuprime** or **Resuseal WB** which should be allowed to cure before **Resustat Primer** is applied. It is essential the primer coat seals the substrate so no air pockets or cavities remain.

If substrates have moisture levels above 75% RH prime the surface with **R.S.Dampshield** prior to **Resustat Primer** being installed. (number of coats dependent on moisture content).

IMPORTANT Take a check reading of the cured primer (<10⁹ ohms) before proceeding.

Application

Mix the coloured base component to an even consistency, ensuring the re-dispersion of any settled pigment. Thoroughly scrape the contents of the base and hardener components into the same container and mix thoroughly for one minute. Pour the combined base and hardener into a rotary drum mixer and add the aggregate component steadily, then add the conductive component followed by the granite component. Mix for 1-2 mins after all the aggregates are added. Apply to pre-primed areas and level between battens at 8mm with a steel float, alternatively a sledge can be used set at the required thickness and again finished with a steel float. **Resustat Terrazzo** units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being laid. (Delay can result in variation in surface finish, colour and add to application problems.)

After curing for a minimum of 16 hours at 20°C, grinding on the **Resustat Terrazzo** can commence. This is followed by a fine cut to remove cutting marks.

The flooring is vacuumed clean and then **Resuthane T100** is applied @ 3m²/kg 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 floor. This may then be followed by a further wet polish using 100,200,400 or 800 mesh size as required.

Resustat Terrazzo can be sealed, where required, by use of generic antistatic floor seal polish. In order to maintain the decorative nature of this heavy duty flooring, it is essential that the floor is well maintained and cleaned.

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 Please consult RSL
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) 0.04
Method BS8204 /ASTM D4060	
Temperature Resistance	Tolerant of sustained temperatures of up to 120°C @ 9mm
Chemical Resistance	Excellent Chemical Resistance Consult RSL on specific materials
Compressive Strength	60N/mm ²
Flexural Strength	14N/mm ²
Tensile Strength	6N/mm ²
VOC	7 g/l Calculation based on a full mixed unit
Life Expectancy	10 years plus Subjected to Industrial Traffic RSL terms and conditions will apply

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.


Resin Surfaces Ltd Titan House, Lowick Close, Newby Road Industrial Estate Hazel Grove, Stockport. SK7 5ED
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BSEN 13813 SR B 3.3 - 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 3.3 Impact resistance: IR > 4

Maintenance and Cleaning

Please refer to the RSL Guide to Cleaning of Resin Floors

Health and Safety

Resustat Terrazzo 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.

Email : info@resinsurfaces.co.uk Web : www.resinsurfaces.co.uk
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