REF : THAS 2015 06

Resustat TG69

DESCRIPTION

Resustat TG69 is a static-dissipative resin based floor screed system which is applied at 6mm nominal thickness. The formulation comprises of a unique blend of conductive fillers blended with polyurethane resin components & pigments to provide an attractive textured Matt finish.
The Resustat TG69 flooring system has an electrical conductivity leakage resistance of 5×10^4 to 10^8 ohms when tested to BS2050/1978.

ADVANTAGES

- Static-dissipative seamless matt finish
- Hard wearing durable floor for industrial use
- Ease of application
- Hygienic
- Decorative - available in an attractive range of colours
- Excellent abrasion and impact resistance
- Excellent chemical resistance
- Textured finish for non-slip

RECOMMENDED USES

- Pharmaceutical production
- Electronic industrial areas
- Television studios
- Medical & Veterinary
- Chemical plants
- Industrial Workshops

PRODUCT INFORMATION

System Thickness (dry)	Solids Content	Pack Size	Pack Make Up	Shelf life	Storage
6 mm	100%	30 kg.	30 kg. - 1 X Base 1 X Hardener 1 X Aggregate bag 1 X Conductive bag	12 Months (Base & Activator) 3 Months (Aggregate)	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	Light traffic	Full traffic	Full chemical cure
2.5 m^2 per 30 kg. unit @ 6mm thickness	Including Aggregate 15 Mins	n/a	12 -16 Hours	24 Hours	7 Days

Specification

Product : Resustat TG69

Finish : Smooth Matt coloured profile

Thickness : 6 mm

Colour : Available in a Range Colours

Products required for this system

Prime : Resustat Primer

System : Resustat TG69

Surface Seal : Not Required

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.

Preparation

To achieve the best performance from **Resustat TG69** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm^2. All surfaces must be prepared by vacuum blasting or mechanical abrasion.

To ensure maximum bond is achieved, grooves must be cut into the perimeter of the subfloor prior to priming. Typically 20mm deep by 8mm wide, and 150mm from, and running parallel with the walls and adjacent to any doorways.

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. The grid should be applied over the primer but under the **Resustat Primer**.

Priming

Resustat TG69 can be applied onto a cured coat of **Resustat Primer** two-pack low solvent epoxy - to be used as a high build single coat static-dissipative primer. Coverage 22 m^2. 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 (<5 x 10^4 ohms) before proceeding.

Application

The ambient temperatures of the areas should not be allowed to fall below 10°C throughout the application and the curing period. When the primed surface is tack free **Resustat TG69** should be applied at the required rate as soon after mixing as possible. (Delay can result in variation in surface finish, colour and add to application problems).

Thoroughly premix the coloured base component ensuring any settled pigment is recovered, then add the hardener component and mix to an even consistency (1 minute). Using a rotary drum mixer or similar forced action mixer bowl add the aggregate component steadily and then add the conductive component and mix thoroughly for a maximum 2-3 minutes to ensure a lump free homogeneous compound.
Apply to pre-primed areas and level between battens as necessary with a steel float, alternatively a sledge can be used set at the required thickness and finished with a steel float.. Where ease of cleaning is very important alongside slip resistance the final finish can be smoothed by back rolling with a short nap roller. A single pass with the weight of the roller is usually sufficient. **Resustat TG69** screed should ideally be laid in bays to a maximum width of 6 m.
Resuthane units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being laid.
NB: Cure times are extended at low temperatures.

Category Guide

FeRFA Category : 8

Technical Information

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

Slip Resistance	Dry > 58
Method BS7976 pt1-3 2002	Wet > 45

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	0.09
Method BS8204 /ASTM D4060	
Temperature Resistance	Tolerant of sustained temperatures of up to 60°C
Chemical Resistance	Good. Consult RSL for Further details
Compressive Strength	60N/mm^2
Flexural Strength	12 N/mm^2
Tensile Strength	6 N/mm^2
VOC	9 g/l Calculation based on a full mixed unit
Life Expectancy	5 years plus Subjected to Industrial Traffic RSL terms and conditions will apply

CE

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

RSL recommend that **Resustat TG69** 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 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 RSL Data Sheet CLNG for Cleaning Advice

Health and Safety

Resustat TG69 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.

Tel : + 44 (0) 161 483 1232 Fax: + 44 (0) 161 483 2565
Email : info@resinsurfaces.co.uk Web : www.resinsurfaces.co.uk
Registered in England :1659941 Vat No : GB 373 485 624