

Conductive polyurethane screed , 6mm thick

Characteristics: Plastipur® Stat TG6 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 Plastipur® Stat TG6 flooring system has an electrical conductivity leakage.

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 6mm

Solids Content 100% Solids by weight

Pack Sizes 30kg

Shelf Life 36 mo. Base, 12 mo. Hardener, 3 mo. Aggregate

Storage Keep out of direct sunlight. Store in a dry place, not below 15°C. Aggregates must be stored in a dry area to prevent contamination from moisture, as this will have a detrimental effect on the product.

Coverage Rate 30kg covers 2.5m² at 6mm

Pot Life 15minutes

Recoating Intervals N/A

Light Traffic 12-16 hours

Full Traffic 24 hours

Full Chemical Cure 7 days

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Technical Information

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

Slip Resistance

potential Method BS7976 pt1-3 2002

Dry > 58

Wet > 45

Abrasion Resistance

Method BS 8204/ASTM D4060

Average depth of wear (mm) 0.09

Temperature Resistance

Tolerant of sustained temperatures
of up to 60°C at 6 mm

Chemical Resistance

Excellent chemical Resistance

Compressive Strength

60 N/mm²

Flexural Strength

12 N/mm²

Tensile Strength

6 N/mm²

VOC

9 g/l calculated on weight per full mixed
unit

Life Expectancy

Up to 5 years. Subject to industrial traffic

Preparation

New Concrete Floors: New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm² is required.

Existing Concrete Floors: Remove all

dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fat, oil and/or grease must be removed by mechanical means and detergent washing ensuring all residue of the 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 surface.

To ensure the maximum bond is achieved, grooves must be cut into the perimeter of the subfloor, typically 5mm deep by 10mm 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.

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The groove must have a neat square edge and the
Plastifloor® SL45 laid to the full
depth forming a perimeter anchorage

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 Plastipur® Stat TG6 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. Plastipur® Stat TG6 screed should ideally be laid in bays to a maximum width of 6m. Plastipur® 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.

CE	
Plasti Chemie Vertriebsgesellschaft mbH Falgardring 1, 08223 Falkenstein Deutschland	
BSEN 13813 SR B 3.3 - AR 0.5 - IR>4	
Resin coating/screed for use inside buildings as per PCV data sheet	
Wear resistance:	AR 0.5
Bond strength:	B 3.3
Impact resistance:	IR > 4

data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.