

# Peran ESD STB (2-3mm)

## Description

Peran ESD STB is an epoxy-based floor system that disperses static electricity. Peran ESD STB gives a slip-resistant surface. It is applied in a thickness of approx. 2 – 3mm

## Uses

Peran ESD STB is used in areas with heavy and intensive traffic where it is necessary to disperse static electricity, such as where sensitive electronic components are handled or manufactured, or in clean room environments. It is also suitable for areas where gas, solvents and explosives are handled, and in areas where there is a risk of dust explosions.

## Benefits

- Ericsson-approval in accordance with 1528-119 and approved by the Engineering Industry's ESD group
- Approved in accordance with EN code 100015-1
- Certified in accordance with SPIKE 1990:09, and also for personnel not wearing insulated clothing
- Resistant to heavy wear and fork-lift truck traffic
- High resistance to chemicals, easy to clean, dust-free and hygienic

## Model specifications

Product: Peran ESD STB

Thickness: 2–3 mm

Preparatory work and application in accordance with suppliers instructions.

## Substrate requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Peran ESD STB system.

## Products included in the system

Primer: Peran STC @ 0.3 kg/m<sup>2</sup>

Conductive Grid of 10mm wide copper tape.

Primer: Peran ESD Primer @ 0.4 kg/m<sup>2</sup>

Scatter: Conductive scatter @ 0.5 kg/m<sup>2</sup>

Coating: Peran ESD STB + Coloured Quartz @ 4.5 kg/m<sup>2</sup>

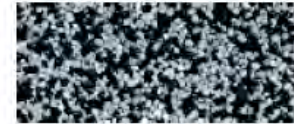
Topcoat: Peran ESD STB @ 0.5 kg/m<sup>2</sup>

Detailed application instructions are available upon request.

## Focus on the floor zone

Flowcrete Group plc are world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing and corrosion protection systems. Our objective is to satisfy your Floorzone needs.

## Standard colour chart

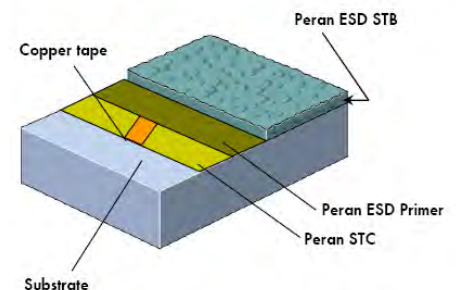


Grey 7710

The applied colours may differ slightly from the example shown above.

Contact our customer services for a true colour sample or a special colour match.

## System design



Carlo Gavazzi

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## System performance guide

Complies with BS 8204-6/FeRFA type 6.

## Technical information

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

|                        |  |
|------------------------|--|
| Electrical Resistance  | 5 x 10 <sup>4</sup> – 1 x 10 <sup>8</sup> Ohms (to BS2050)   |
| Fire Resistance        | Class G Certificate No 1721/75 SITAC   |
| Slip Resistance        | Method described in BS 7976-2 (typical values for 4-5 rubber slider)<br>Dry 59<br>Wet 35 (40 if size 5 Quartz)                         |
| Impact Resistance      | ISO 6272 1kg weight >1.8m<br>2kg weight >1.5 m   |
| Abrasion Resistance    | BS 8204-2 Class AR2 – Medium duty industrial and commercial  |
| Temperature Resistance | Tolerant of sustained temperatures up to 50°C  |
| Water Permeability     | Nil – Karsten test (impermeable)   |
| Chemical Resistance    | Go to <a href="http://www.flowcrete.com">www.flowcrete.com</a><br>Good resistance to tea, coffee, cola fruit juice, soaps and bleaches |
| Compressive Strength   | > 40 N/mm <sup>2</sup> (BS 6319)   |
| Flexural Strength      | 15 N/mm <sup>2</sup> (BS 6319)   |
| Tensile Strength       | 10 N/mm <sup>2</sup> (BS 6319)   |
| Bond Strength          | Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. > 1.5 MPa.  |

## Speed of cure

|                    | 10°C    | 20°C   | 30°C   |
|--------------------|---------|--------|--------|
| Light Traffic      | 36 hrs  | 24 hrs | 16 hrs |
| Full Traffic       | 72 hrs  | 48 hrs | 48 hrs |
| Full chemical cure | 12 days | 7 days | 7 days |

## Life expectancy

10 years, dependant on thickness and subject to correct maintenance regime.

## After care – cleaning and maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Strong solvents such as acetone and thinners etc should not be used. Damaged or worn coatings are best rectified by an authorised Flowcrete contractor.

## Environmental considerations

The end product is assessed as presenting no danger to health or the environment. Seamless bonding and high surface impermeability provide significant benefits in terms of hygiene and the environment. The surface is easy to clean and requires little use of chemicals. High strength and resistance to wear ensure a long service-life and reduce the need for repairs and maintenance. The surface provides an excellent underlay for future renovation treatment with Flowcrete Systems.

