

Peran ESD STB (2 - 3 mm)



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 - 3 mm.

Uses

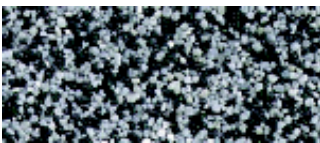
Peran ESD STB is used in areas with heavy and intensive traffic where it is necessary to disperse static electricity, such as where sensitive electronic components are handled or manufactured, or in clean room environments.

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

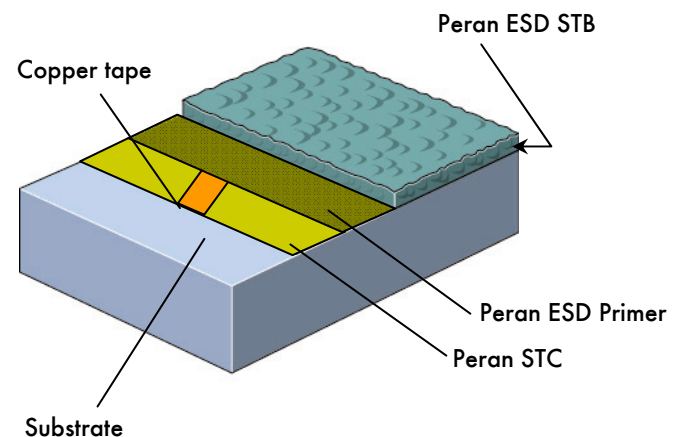
Standard colour chart



Grey 7710

The applied colour may differ slightly from the examples shown above. Contact our customer services for a true colour sample.

System Design



Model Specification

Product: Peran ESD STB

Finish:

Thickness: _____ (2 - 3 mm)

Colour: _____

Preparatory work and application in accordance with suppliers instructions.

Supplier: Flowcrete UK Ltd

Telephone: Customer Service +44 (0) 1270 753000

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², 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 this System

Primer: Peran STC @ 0.3 kg/m²

Conductive Grid of 10 mm wide copper tape.

Primer: Peran ESD Primer @ 0.4 kg/m²

Scatter: Conductive scatter @ 0.5 kg/m²

Coating: Peran ESD STB + Coloured Quartz @ 4.5 kg/m²

Topcoat: Peran ESD STB @ 0.5 kg/m²

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme.

Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcrete.com

Focus on the Floorzone

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, corrosion protection systems... to name just a few.

Our objective is to satisfy your Floorzone needs.

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.

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

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 ⁴ - 1 x 10 ⁸ Ohms (to BS 2050) 4.5 x 10 ⁴ - 5.5 x 10 ⁵ Ohms (to EN 1081)
Fire Resistance	Class G Certificate No 1721/75 SITAC
Slip Resistance	Method described in BS 7976-2 (typical values for 4-S rubber slider) Dry 59 Wet 35 (40 if size 5 Quartz)
Impact Resistance	ISO6272 1 kg weight >1.8 m 2 kg 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 www.flowcrete.com Good resistance to tea, coffee, cola, fruit juice, soaps and bleach
Compressive Strength	>40 N/mm ² (BS 6319)
Flexural Strength	15 N/mm ² (BS 6319)
Tensile Strength	10 N/mm ² (BS 6319)
Bond Strength	Greater than cohesive strength of 25 N/mm ² 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

Aftercare - 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.

Life Expectancy

10 years, subject to correct maintenance regime.

Further Information

To ensure you are specifying a fit for purpose flooring system for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.