

### Peran ESD STB Compact (3mm)



#### Description

An epoxy-based floor system that disperses static electricity and gives a slip-resistant surface.

#### Uses

Peran ESD STB Compact 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

- Meets EN IEC 61340-5-1 requirements
- Decorative floor finish
- High scratch resistance
- Easy to clean and maintain
- Excellent wear and impact resistance
- Seamless, hygienic finish
- Abrasion resistant
- Rapid installation
- High chemical resistance

#### Project References

Available on request.

#### Standard Colour Chart



Grey 7710



Red 7720

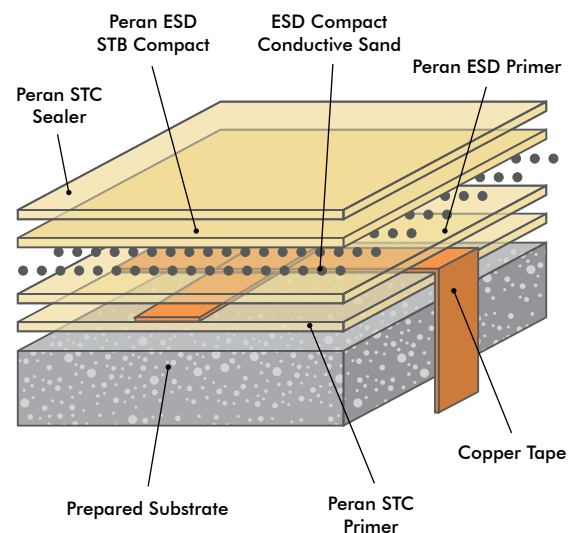


Blue 7730



Green 7740

#### System Design



## Model Specification

Product: Peran ESD STB Compact

Finish: Gloss

Thickness: 3mm

Colour: \_\_\_\_\_

Preparatory work and application in accordance with suppliers instructions.

Manufacturer: Flowcrete Middle East FZCO

Telephone : Customer Service +971 4 886 4728

## 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 up 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

Peran STC Primer

Copper Tape

Peran ESD Primer

Peran ESD Compact Primer Sand

Peran STC + Compact White (STC Filler)

Peran ESD STB Filler C

Peran STC Sealer

Detailed application instructions are available upon request.

## Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at [www.flowcrete.ae](http://www.flowcrete.ae)

## 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.

## Focus on the Floorzone

Flowcrete Middle East FZCO is a division of the Flowcrete Group, 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... to name just a few. Our corporate objective is to satisfy your flooring needs.

## Conductive Grid

A network of 10mm wide, self-adhesive, conductive copper tape is required in Method 2. The copper tape must be applied directly onto the cured final coat of Peran STC and in accordance with the Application instructions. Special attention should be paid to tape areas passing over expansion or bay joints to ensure permanent electrical continuity. The applied tape matrix should be secure and fully bonded to a confirmed earth point.

## Technical Information

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

Electrical Resistance (EN IEC 61340-5-1)	5 x 10 <sup>4</sup> – 1 x 10 <sup>9</sup> Ohms
Fire Resistance	C <sub>fl</sub> s1
Slip Resistance	Dry >40 low slip potential (typical values for 4-S rubber slider) Method described in BS 7976-2 in accordance with HSE and UKSRG guidelines)

The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry).

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

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	Contact Technical Department
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.

Complies with BS 8204-6/FeRFA category 5

## Speed of Cure (per layer)

	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.

## 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.

## Further Information

To ensure you are specifying a fit for purpose flooring 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.