

Ducrete SL ESD is an anti-static hygienic, easy-to-clean self-smoothing resin floor finish

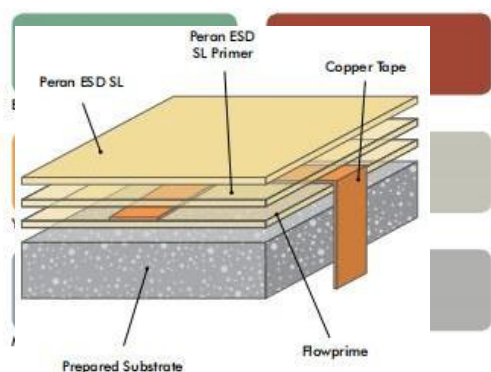
### DESCRIPTION

To provide a hard-wearing, seamless, anti-static floor compliant with BS 2050. Used in dry process areas where the floor is subjected to medium to heavy duty foot, trolley, pallet truck and rubber wheeled fork lift traffic. Typical uses include laboratories, clean rooms, warehouses, and electronic, aerospace, automotive and printing plants.

### RECOMMENDED USE

- Attractive, enhances working environment
- Meets BS 2050 anti-static requirements
- Hygienic - easy to clean
- Non-tainting, non-dusting
- Hard-wearing floor finish
- Abrasion resistant

### Standard Color and System Design



### Model Specification

**Product:** Peran ESD SL

**Finish:** Gloss

**Thickness:** Nominal 2mm

### 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 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 SL system.

### Installation Services

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

### Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during the manufacture and application of the products by Ducon staff and fully trained and experienced contractors.

### Statement of Responsibility (Disclaimer)

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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### Focus on the Floorzone

FZCO is a division of the Ducon 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 always recommended in combination with any DPF Asia anti-static flooring system. The copper tape must be applied directly onto the cured final coat, 150mm in from the perimeter of the application. A further grid of tape should be applied within this area at 3m centres. 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.

|                 |                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Fire Resistance | BS 476:Part 7: Surface spread of flame - Class 2 (indicative)                                                                                |
| Slip Resistance | Dry >40 low slip potential (typical values for 4-S rubber slider) Method described in BS7976-2 (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.

|                                          |                                                                                                                      |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Temperature Resistance                   | Tolerant up to 60°C                                                                                                  |
| Water Permeability                       | Nil – Karsten test (impermeable)                                                                                     |
| Vapour Permeability                      | 0.4 gms / m <sup>2</sup> / 24 hours                                                                                  |
| Surface Hardness                         | 180 secs. Koenig Hardness Test                                                                                       |
| Chemical Resistance                      | Contact Technical Department                                                                                         |
| Abrasion Resistance                      | Taber Abrader: 50mg loss per 1000 cycles (1kg Load using H17 wheels)                                                 |
| BS8204-2: Class AR2                      |                                                                                                                      |
| Compressive Strength                     | 60 N/mm <sup>2</sup> (BS6319)                                                                                        |
| Flexural Strength                        | 40 N/mm <sup>2</sup> (BS6319)                                                                                        |
| Tensile Strength                         | 25 N/mm <sup>2</sup> (BS 6319)                                                                                       |
| Bond Strength                            | Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. >1.5 MPa.                                           |
| Electrical Resistance                    | 5 x 10 <sup>4</sup> – 1 x 10 <sup>8</sup> Ω (to BS 2050)<br>1.8x10 <sup>5</sup> – 1.4x10 <sup>6</sup> Ω (to EN 1081) |
| Toxicity (with Cured)                    | Taint free to sensitive foodstuffs                                                                                   |
| Complies with BS 8204-6/FerFA category 5 |                                                                                                                      |

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## Speed of Cure (Per Layer)

|                    | 10°C   | 20°C   | 30°C  |
|--------------------|--------|--------|-------|
| Light Traffic      | 36 hrs | 16 hrs | 12hrs |
| Full traffic       | 72 hrs | 48 hrs | 36hrs |
| Full chemical cure | 12days | 7days  | 5days |

## Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

## Important Note

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.

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