

Flowfresh ESD HF (6-9 mm)



An antistatic, chemical resistant, polyurethane floor screed with a textured heavy duty finish that contains antimicrobial properties.

Provides a heavy duty, hygienic, antistatic floor finish with exceptional chemical resistance.



Antistatic:

Meets the BS 2050 specification for electrical resistance.



Hygienic:

Contains Polygiene® - an antimicrobial additive that inhibits the growth of bacteria.



High Chemical Resistance:

Protects against a majority of acids used in manufacturing processes.



Abrasion Resistant:

Very high abrasion resistance to protect against heavy duty processes.



Temperature Resistant:

Withstands high temperatures, steam cleanable and suitable for coldrooms.



Rich Cream

Warm Buff

Coral Red

Clay



Pewter Grey



Signal Green

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.

Technical Profile*

| FIRE RESISTANCE | | | |
|---|--|---|-------|
| EN 13501-1 | B _{fl} - s1 | | |
| SLIP RESISTANCE** | | | |
| Method described in BS 7976-2 (typical values for 4-S rubber slider) | | Dry >40, Wet depends on specification (in accordance with HSE and UKSRG guidelines) | |
| TEMPERATURE RESISTANCE | | | |
| Tolerant up to 120°C intermittent spillages or consistent 105°C dry heat (at 9mm thickness) | | | |
| WATER PERMEABILITY | | | |
| Nil – Karsten test (impermeable) | | | |
| CHEMICAL RESISTANCE | | | |
| Contact Technical Department. Excellent resistance to sugars and most acids (organic and inorganic) | | | |
| ABRASION RESISTANCE | | | |
| Taber Abrader (1 kg load using CS17 wheels) | 0.12g loss per 1000 cycles | | |
| COMPRESSIVE STRENGTH | | | |
| EN 13892-2 | >50 N/mm ² | | |
| FLEXURAL STRENGTH | | | |
| EN 13892-2 | 20 N/mm ² | | |
| TENSILE STRENGTH | | | |
| BS 6319 | 12 N/mm ² | | |
| BOND STRENGTH | | | |
| Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa | | | |
| ELECTRICAL RESISTANCE | | | |
| BS 2050 | 5 x 10 ⁴ – 1 x 10 ⁸ Ohms | | |
| SPEED OF CURE | | | |
| | 10 °C | 20 °C | 30 °C |
| Light Traffic | 36 h | 24 h | 12 h |
| Full Traffic | 72 h | 48 h | 24 h |
| Full Chemical Cure | 10 d | 7 d | 6 d |

* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

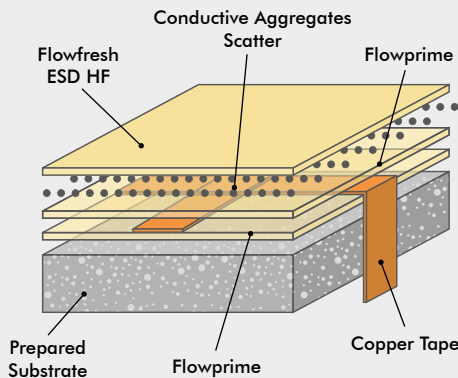
**The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

Model Specification

| | |
|--------------|------------------|
| System | Flowfresh ESD HF |
| Finish | Matt |
| Thickness | 6 - 9 mm |
| Manufacturer | Flowcrete Asia |

Preparatory work and application in accordance with manufacturer's instructions.

System Design



Products Included In This System

| | |
|----------------|---|
| Primer | Flowprime |
| Copper Tape | (conductive grid of 12 mm wide copper tape) |
| Aggregates | Conductive Aggregates Scatter |
| Finishing Coat | Flowfresh ESD HF |

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be surface dry and free from rising damp and ground water pressure.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at www.flowcreteasia.com

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 manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Microbial / Fungal Resistance

The Polygiene® antimicrobial additive incorporated into Flowfresh ESD HF provides control of most bacteria and fungi which come into contact with the floor.

Conductive Tape

A network of 12 mm wide, self-adhesive, conductive copper tape is always recommended in combination with any Flowcrete antistatic flooring system. The copper tape must be applied directly onto the cured Flowprime, maximum 1 metre in from the perimeter of the application. Further, strips of tape should be applied within this area every 3 metres. Special attention should be paid to tape areas passing over expansion or bay joints to ensure permanent electrical continuity. The applied tape should be secure and fully bonded to a confirmed earth point.

Aftercare, Cleaning & Maintenance

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

Important Note

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages.

Further Information

To ensure you are specifying a fit-for-purpose floor, please consult our Technical Advisors or visit our website to register your interest in specifying one of the most durable floors on the market.

1. Light colours may require additional coats to achieve desired results. 2. It is recommended that top coat colours are close to base coats colours to achieve desired results. 3. This product is not UV stable and may discolour unless otherwise stated. 4. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.

[27/06/18]

Flowcrete Asia
Flowcrete Hong Kong

+60 3 6277 9575
+852 2795 0478

Flowcrete Indonesia
Flowcrete Thailand

+62 21 252 3201
+66 2 539 3424

Don't see your location listed? Visit www.flowcreteasia.com to find your nearest office.