



Flowfresh ESD MF (3 mm)

An antistatic, chemical resistant, polyurethane resin floor system with a smooth matt coloured finish with antimicrobial properties.

Provides a 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:

A hard-wearing & abrasion resistant finish to protect the substrate below.



Low Odour:

Low odour during application and non-tainting once cured



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)		
IMPACT RESISTANCE			
EN ISO 6272	15Nm		
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
VAPOUR PERMEABILITY			
ASTM E96:90 5g/m ² /24hrs			
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS17 wheels)	0.1g 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			
TOXICITY (WHEN CURED)			
Taint free to sensitive foodstuffs			
ELECTRICAL RESISTANCE			
BS 2050	5 x 10 ⁴ – 1 x 10 ⁸ Ohms		
COEFFICIENT OF THERMAL EXPANSION			
ASTM C531	5.70 x 10 ⁻⁵ °C ⁻¹		
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

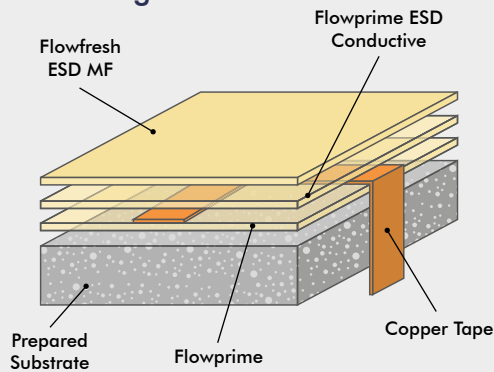
* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. **The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (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 MF
Finish	Matt
Thickness	3 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)
Primer	Flowprime ESD Conductive
Finishing Coat	Flowfresh ESD MF

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 & 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

Aftercare, Cleaning & Maintenance

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

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 MF 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.

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.