

## Flowfresh MF ESD (4mm)

An antistatic heavy duty, chemical resistant and antimicrobial treated polyurethane resin floor finish.



**Electrostatic Dissipative:**  
Meets BS2050 antistatic requirements.



**Hygienic:**  
Contains Polygiene® - an antimicrobial additive that kills up to 99.9% bacteria.



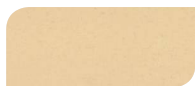
**Chemical Resistant:**  
Protects against the majority of acids used in the manufacturing process.



**Low Odour:**  
Low odor installation, non-toxic, and phthalate-free formulation.



**Abrasion Resistant:**  
Excellent abrasion, impact and wear resistance in high traffic areas.



Cream



Yellow Ochre



Sand Yellow



Tomato Red



Signal Grey



Signal Green



Dusty Grey



Light Blue

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

## Technical Profile

### ELECTRICAL RESISTANCE

BS 2050	5x10 <sup>4</sup> - 1x10 <sup>8</sup> Ohms
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### FIRE RESISTANCE

BS 476 PART 7	Class 2 (spread of flame)
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### SLIP RESISTANCE

BS 7976-2	Dry >60 Wet >35
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### IMPACT RESISTANCE

BS 8204 PART 1	Category A (<0.5mm)
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### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 70°C

### WATER PERMEABILITY

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### VAPOUR PERMEABILITY

ASTM E96:90	5g/m <sup>2</sup> /24hrs at 4mm
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### ABRASION RESISTANCE

BS 8204-2	Class AR2
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### COMPRESSIVE STRENGTH

BS 6319	>50 N/mm <sup>2</sup>
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### FLEXURAL STRENGTH

BS 6319	>20 N/mm <sup>2</sup>
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### TENSILE STRENGTH

BS 6319	>12 N/mm <sup>2</sup>
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### BOND STRENGTH

>1.5mPa

### SPEED OF CURE\*\*

	10 °C	20 °C	30 °C
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	5 days

\*\*Assumes concrete compressive strength is greater than 25 N/mm<sup>2</sup>

\*\*Cure times at temperatures between 0-30 °C can be achieved by altering the quantity of catalyst used.  
For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

## Model Specification

<b>System</b>	Flowfresh MF ESD
<b>Finish</b>	Matt
<b>Thickness</b>	4mm
<b>Colour</b>	See standard colour chart
<b>Manufacturer</b>	Flowcrete SA (Pty) Ltd

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

## Products Included In This System

<b>Primer</b>	Flowprime
<b>Copper Tape</b>	Copper Tape
<b>Primer</b>	Flowprime
<b>Scatter</b>	Conductive Aggregate
<b>Topping</b>	Flowfresh MF ESD

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per BS8204.

## Installation Service

The installation should be carried out by an Approved Flowcrete Applicator. For details of our Approved Applicators, contact your local Flowcrete office. Detailed application instructions are available upon request.

## 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 and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained application teams.

## Focus on the Floorzone

Flowcrete is a market leader in specialist industrial and commercial flooring. Systems available include: floor screeds, surface damp proof membranes, decorative flooring, seamless terrazzo, car park deck coatings, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

## Polygiene® and HACCP International

Flowfresh flooring systems are antimicrobial to ISO 22196 standard, owing to the inclusion of Polygiene®, an antimicrobial additive incorporated in the formulation. The Flowfresh range of floor systems is HACCP International certified as safe for use in food environments.

## Warranty

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. Please review warranty in detail before installing the products.

[20/11/18]