

## Flowfresh ESD SL

A conductive/ESD, chemical resistant antimicrobial treated polyurethane resin floor finish with a smooth matte coloured finish.



### Anti-Static:

Meets the EN IEC 661340-5-1 and EN IEC 61340-4-5 for electrical properties



### Polygiene<sup>®</sup>:

Contains a silver ion antimicrobial additive proven to inhibit the growth of most types of harmful bacteria



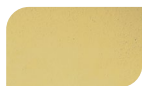
### Chemical Resistant:

Excellent resistance to sugars and most acids (organic and inorganic)



### Abrasion Resistant:

Very high abrasion resistance to protect against heavy duty processes



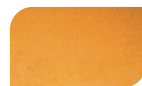
Cream



Green



Red



Buff



Grey

The applied colours may differ from the examples shown.  
For a full colour chart and samples, contact Tremco CPG Poland.

## Technical Information<sup>1</sup>

FIRE RESISTANCE	
B <sub>n</sub> -s1	EN 13501-1
RESISTANCE TO GROUND R <sub>g</sub>	
R <sub>g</sub> < 1x10 <sup>6</sup> Ω	EN IEC 61340-4-1
TOTAL RESISTANCE OF THE SYSTEM	
R <sub>g</sub> < 1x10 <sup>9</sup> Ω	EN IEC 61340-4-5
MAXIMUM POTENTIAL GENERATED AT THE BODY	
< 100V	Walking test EN IEC 61340-4-5
WEAR RESISTANCE	
AR0.5 (≤ 50 μm)	EN 13892-4
BOND STRENGTH	
B2.0 (≥ 2.0 MPa)	EN 13892-8
IMPACT RESISTANCE	
IR10 (10 Nm)	EN ISO 6272
TEMPERATURE RESISTANCE	
Tolerant up to +70 °C	
WATER PERMEABILITY	
Nil (impermeable)	Karsten Test
SLIP RESISTANCE <sup>2</sup>	
Wet > 40 low slip potential	EN 13036-4
COMPRESSIVE STRENGTH	
> 50 N/mm <sup>2</sup>	EN 13892-2
FLEXURAL STRENGTH	
20 N/mm <sup>2</sup>	EN 13892-2

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

<sup>1</sup>The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site. <sup>2</sup>The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from CPG Eastern Europe), the degree of abrasion, maintenance and the nature of the dirt.

## Model Specification

<b>System:</b>	Flowfresh ESD SL
<b>Finish:</b>	Matt
<b>Thickness:</b>	2–3 mm
<b>Colour:</b>	According to the catalog
<b>Producer:</b>	CPG Europe
<b>Supplier:</b>	Tremco CPG Poland Sp. z o.o.
<b>Telephone:</b>	+48 22 879 89 07

## Installation Service

The installation should be carried out by a Flowcrete approved contractors with a documented quality assurance scheme. Obtain details of our approved contractors by contacting CPG Eastern Europe or enquiring via our website at [www.flowcrete.com.pl](http://www.flowcrete.com.pl).

## Products Included in this System

<b>Primer<sup>3</sup>:</b>	Flowfresh SL scratchcoat
Conductive Grid of 10 mm wide copper tape.	
<b>Primer:</b>	Peran ESD Primer WB
<b>Topping:</b>	Flowfresh ESD SL

<sup>3</sup> If other resins are used contact CPG Eastern Europe for further details.

Detailed application instructions are available upon request.

## Microbial / Fungal Resistance

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

<b>Antimicrobial Active Substance</b>	Silver biocide
<b>Tested</b>	ISO 22196 / JIS Z2801

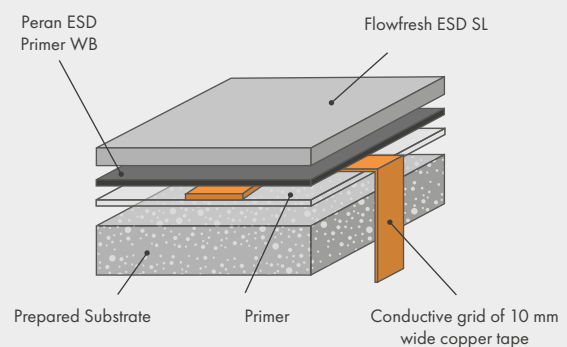
## Aftercare, Cleaning & Maintenance

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

## Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1.5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry on surface and free from rising damp and ground water pressure. The humidity level of the substrate must not exceed 6% on Tramex scale to determine the level of moisture in the substrate to assess the right primer to use. For areas where continual heat resistance (above 50°C) is critical, epoxy primers cannot be used, the use Flowfresh Primer or Scratchcoat Flowfresh SL is necessary. Details to be found in the “Concrete substrate requirements for Flowcrete floor systems” instructions and application system manual.

## System Design



## 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 CPG staff and fully trained and experienced contractors.

## Notes

Flowfresh may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light, heat levels present, chemical used, standards of maintenance employed and hence the rate of change cannot be predicted. This is an aesthetical matter but does not compromise the product parameters and properties. Intensively coloured products (e.g. hair colourants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discolouration in the surface. Avoid washing with water for the first 2-3 days following the floor application. Please contact Tremco CPG Poland for further advice.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Tremco CPG Poland Sp. z o.o. (further related as „CPG Polska”) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer’s control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, CPG Polska cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized CPG Polska representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact CPG Polska.

22/07/22

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