



## FLOWFRESH

- ▶ HACCP International certified antimicrobial cementitious polyurethane floor coating systems, ideal for use in areas where hygiene is critical.

# Flowfresh Technical Profile



Flowfresh represents a new generation of performance antimicrobial flooring based on the use of silver in partnership with Polygiene® that kills up to 99.9% of bacteria on contact.

Silver is a natural element known for its ability to purify and protect against bacteria, providing an attractive, environmentally friendly alternative to chemically manufactured antimicrobials.

HACCP International certified as safe for use in food processing environments, Flowfresh offers total protection underfoot. A continuous migration of silver ions are delivered to the contact surface from where they attack gram positive and gram negative bacteria and viruses. This technology remains active for the lifetime of the floor, even when damaged or worn unlike coatings or surface treatments.

## Application Suitability



Food & Beverage



Meat & Fish



Bakeries & Confectionery



Food Preparation



Healthcare Environments



Pharmaceutical Facilities

## Resistance Chart

BACTERIAL RESISTANCE				CHEMICAL RESISTANCE*			
SARS-CoV	✓	Salmonella Typhi	✓	Hydrochloric Acid 10%	✓	Methanol	✓
MRSA	✓	Enterococcus Faecalis	✓	Sulphuric Acid 10%	✓	Sugar Syrups	✓
E-coli	✓	Staphylococcus Aureus	✓	Citric Acid 10%	✓	Caustic Soda	✓
Listeria	✓	Streptococcus Pyogenes	✓	Acetic Acid 5%	✓	Petrol	✓
C.difficile	✓	Pseudomonas Aeruginosa	✓	Lactic Acid 10%	✓	Oil Ingredients	✓
Proteus Vulgaris	✓	Campila Bacta	✓	Phosphoric Acid 5%	✓	Detergents	✓



## System Components

	DESCRIPTION	USES
<b>Flowfresh Primer</b>	3-component, polyurethane scratch coat / primer that will bond to surface dry substrates that have a Relative Humidity up to 95% (to BS 8204).	For priming concrete and screeds, prior to overcoating with the Flowfresh flooring system.
<b>Flowfresh Cove</b>	4-component, solvent-free, polyurethane concrete cove for the Flowfresh range of products containing antimicrobial additive, Polygiene®.	Used as footing/moulding compound to form coves for the Flowfresh SL, MF, RT and HF systems.
<b>Flowfresh Sealer</b>	2-component, solvent free, polyurethane coloured coating containing antimicrobial additive, Polygiene®.	Used as a lock coat for Flowfresh SR system.
<b>Flowfresh Coating</b>	3 component, antimicrobial polyurethane coloured coating.	Used for sealing Flowfresh Cove.
<b>Flowseal Ultra</b>	2-component, fast curing, UV light stable, gloss sealer with low odour.	Used as a fast curing UV stable sealer or receiving coat for flake and quartz broadcast systems.
<b>Flowseal Ultra EWT</b>	2-component, fast curing, UV light stable, polyurea gloss sealer with low odour and extended working time when compared with Flowseal Ultra.	Used as a fast curing UV stable sealer or receiving coat for flake and quartz broadcast systems.

# Flowfresh SL & MF

Self-smoothing polyurethane screeds for use in dry areas subject to light-medium traffic.

Best suited to packaging areas and processing zones subject to light-medium foot and wheeled traffic, these trowel applied systems deliver a seamless, joint-free, smooth matt finish.



### Hygienic:

Contains antimicrobial Polygiene® that inhibits up to 99.9% of bacteria growth.



### Certified:

HACCP International certified as safe for use in food and beverage environments.



### Heat Resistant:

Resistant to temperatures of up to 90°C.



### Chemical Resistant:

Protects against the majority of acids used in manufacturing processes.



### Abrasion Resistant:

Holds its own against impact, traffic and chemical attack.

## Standard Colours



Rich Cream



Warm Buff



Coral Red



Clay



Pewter Grey



Signal Green



Ash Grey



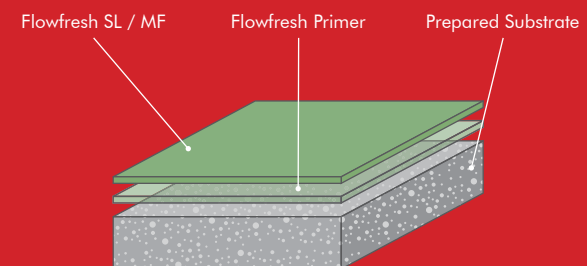
Blue

## Technical Profile

TEMPERATURE RESISTANCE	
Flowfresh SL	2 mm: From 0°C to 65°C
Flowfresh MF	3 mm: From -5°C to 70°C 4 mm: From -15°C to 90°C
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry >70, Wet >25
ABRASION RESISTANCE	
Taber Abrader	0.1 g loss per 1000 cycles (1 kg load using CS17 wheels)
COMPRESSIVE STRENGTH	
BS 6319	>50 N/mm <sup>2</sup>
FLEXURAL STRENGTH	
BS 6319	>20 N/mm <sup>2</sup>
TENSILE STRENGTH	
BS 6319	>12 N/mm <sup>2</sup>
BOND STRENGTH	
ASTM D4541 (Pull-Off Test)	>1.5 MPa*

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	6 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.

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

## Application Suitability

Light to Medium Traffic 2 mm	✓
Medium to Heavy Traffic 3-4 mm	✓
Industrial Kitchens / Semi Dry Areas	✓
Packaging Areas	✓
Loading Bays	✓
Laboratories / Quality Control	✓
Dispensaries	✓
Cold Stores / Freezers	



# Flowfresh HF & RT

Slip resistant polyurethane screeds for use in wet areas subject to high volumes of traffic.

Best suited to wet processing zones subject to high volumes of foot and wheeled traffic, these trowel applied 6–9 mm systems deliver a seamless joint-free matt finish.



### Hygienic:

Contains antimicrobial Polygiene® that inhibits up to 99.9% of bacteria growth.



### Certified:

HACCP International certified as safe for use in food and beverage environments.



### Heat Resistant:

Resistant to temperatures of up to 90°C.



### Slip Resistant:

Impressive anti-slip performance in dry and wet conditions.



### Abrasion Resistant:

Holds its own against impact, traffic and chemical attack.

## Standard Colours



Rich Cream



Warm Buff



Coral Red



Clay



Pewter Grey



Signal Green



Ash Grey



Blue

## Technical Profile

### TEMPERATURE RESISTANCE

6 mm: From -25°C to 100°C  
9 mm: From -45°C to 120°C

### WATER PERMEABILITY

Karsten Test Nil (Impermeable)

### FIRE RESISTANCE

BS 476-7 Class 2  
Surface spread of flame

### SLIP RESISTANCE

TRRL Pendulum Slip Test Dry >80, Wet >35

### ABRASION RESISTANCE

Taber Abrader 0.12 g loss per 1000 cycles  
(1 kg load using CS17 wheels)

### COMPRESSIVE STRENGTH

BS 6319 >60 N/mm<sup>2</sup>

### FLEXURAL STRENGTH

BS 6319 >20 N/mm<sup>2</sup>

### TENSILE STRENGTH

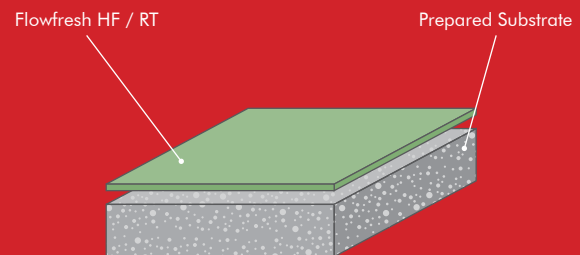
BS 6319 >10 N/mm<sup>2</sup>

### BOND STRENGTH

ASTM D4541 (Pull-Off Test) >1.5 MPa\*

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	6 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.

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



## Application Suitability

Dry Process (Med/Heavy Traffic)	✓
Wet Process (Med/Heavy Traffic)	✓
Industrial Kitchens / Wash Areas	✓
Packaging Areas	
Chemical / Solvent Stores	✓
Loading Bays	✓
Laboratories / Quality Control	
Dispensaries	
Cold Stores / Freezers	✓

# Flowfresh SR

Flowfresh SR is a heavy duty polyurethane screed with an anti-slip finish.

Suited to all zones subject to heavy foot and wheeled traffic, such as wet processing areas or food preparation zones, this trowel applied 3 mm to 4mm system delivers an anti slip floor finish.



### Hygienic:

Contains antimicrobial Polygiene® that inhibits up to 99.9% of bacteria growth.



### Certified:

HACCP International certified as safe for use in food and beverage environments.



### Heat Resistant:

Resistant to temperatures of up to 90°C.



### Slip Resistant:

Impressive anti-slip performance in dry and wet conditions.



### Abrasion Resistant:

Holds its own against impact, traffic and chemical attack.

## Standard Colours



Rich Cream



Warm Buff



Coral Red



Clay



Pewter Grey



Signal Green



Ash Grey



Blue

## Technical Profile

### TEMPERATURE RESISTANCE

From -15°C to 90°C

### WATER PERMEABILITY

Karsten Test Nil (Impermeable)

### FIRE RESISTANCE

BS 476-7 Surface spread of flame Class 2

### SLIP RESISTANCE

TRRL Pendulum Slip Test Dry >80, Wet >45 (Aggregate dependant)

### ABRASION RESISTANCE

Taber Abrader 0.1 g loss per 1000 cycles (1 kg load using CS17 wheels)

### COMPRESSIVE STRENGTH

BS 6319 >50 N/mm<sup>2</sup>

### FLEXURAL STRENGTH

BS 6319 >20 N/mm<sup>2</sup>

### TENSILE STRENGTH

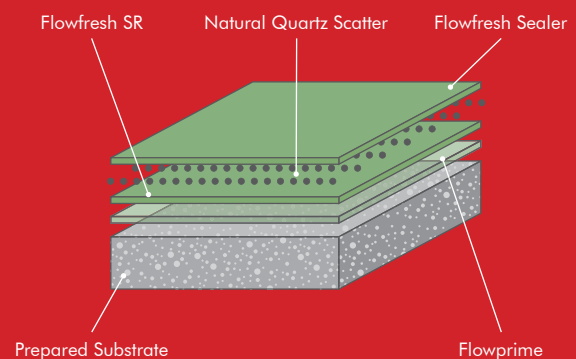
BS 6319 >10 N/mm<sup>2</sup>

### BOND STRENGTH

ASTM D4541 (Pull-Off Test) >1.5 MPa\*

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	6 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.

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



## Application Suitability

Dry Process (Med/Heavy Traffic)	
Wet Process (Med/Heavy Traffic)	✓
Industrial Kitchens / Wash Areas	✓
Packaging Areas	
Chemical / Solvent Stores	
Loading Bays	
Laboratories / Quality Control	
Dispensaries	✓
Cold Stores / Freezers	



# Flowfresh SRQ

A heavy duty decorative screed with a coloured quartz aggregate that provides anti slip properties.

Suited to all zones subject to heavy foot and wheeled traffic, such as wet processing areas or food preparation zones, this trowel applied system delivers a decorative joint-free floor finish.



### Hygienic:

Contains antimicrobial Polygiene® that inhibits up to 99.9% of bacteria growth.



### Certified:

HACCP International certified as safe for use in food and beverage environments.



### Decorative:

Offers an attractive finish to enhance the working environment.



### Slip Resistant:

Impressive anti-slip performance in dry and wet conditions.



### Chemical Resistant:

Protects against the majority of acids used in manufacturing processes.

## Standard Colours



Blue 7750



Cream 7700



Green 7300



Grey 7120



Grey 7600



Grey 7770



Red 7500



Yellow 7400

## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant up to 70°C

### WATER PERMEABILITY

Karsten Test Nil (Impermeable)

### FIRE RESISTANCE

BS 476-7 Surface spread of flame Class 2

### SLIP RESISTANCE

TRRL Pendulum Slip Test Dry >80, Wet >45 (Aggregate dependant)

### ABRASION RESISTANCE

Taber Abrader 0.12 g loss per 1000 cycles (1 kg load using CS17 wheels)

### COMPRESSIVE STRENGTH

BS 6319 >50 N/mm<sup>2</sup>

### FLEXURAL STRENGTH

BS 6319 >20 N/mm<sup>2</sup>

### TENSILE STRENGTH

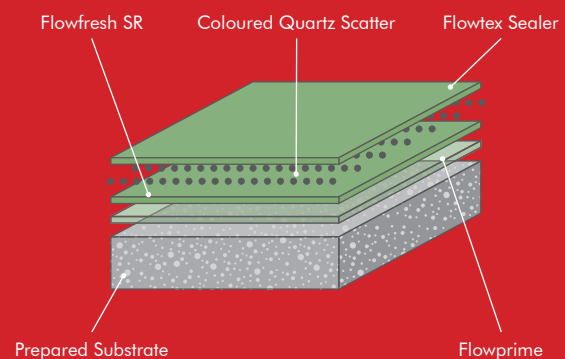
BS 6319 >10 N/mm<sup>2</sup>

### BOND STRENGTH

ASTM D4541 (Pull-Off Test) >1.5 MPa\*

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	6 days

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

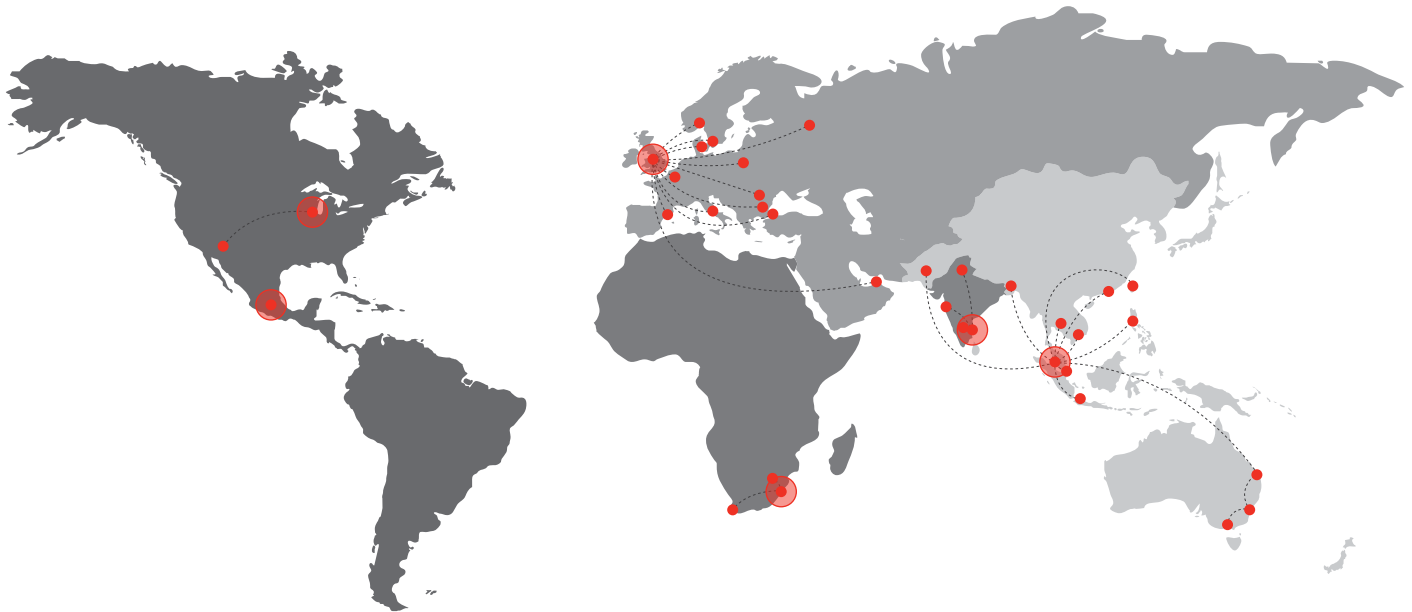


\*\* Cure times at temperatures between 0-30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

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

## Application Suitability

Dry Process (Med/Heavy Traffic)	
Wet Process (Med/Heavy Traffic)	✓
Industrial Kitchens / Wash Areas	✓
Packaging Areas	
Chemical / Solvent Stores	
Loading Bays	
Laboratories / Quality Control	
Dispensaries	✓
Cold Stores / Freezers	



## Flowcrete

World leader in seamless resin flooring solutions and other specialist coatings.

### Africa

South Africa +27 31 701 0017 southafrica@flowcrete.com

### Asia Pacific (APAC)

Australia	+61 7 3205 7115	australia@flowcrete.com
Bangladesh	+88 02 985 7222	bangladesh@flowcrete.com
Hong Kong	+852 2795 0478	hongkong@flowcrete.com
Indonesia	+62 21 252 3201	indonesia@flowcrete.com
Malaysia	+60 3 6277 9575	asia@flowcrete.com
Pakistan	+60 3 6277 9575	pakistan@flowcrete.com
Philippines	+63 2 834 6506	philippines@flowcrete.com
Singapore	+60 3 6277 9575	singapore@flowcrete.com
Taiwan	+60 3 6277 9575	taiwan@flowcrete.com
Thailand	+66 2539 3424	thailand@flowcrete.com
Vietnam	+84 28 6287 0846	vietnam@flowcrete.com

## Europe & Middle East (EME)

Bulgaria	+359 898 61 58 31	bulgaria@flowcrete.com
Denmark	+46 435 40 01 10	denmark@flowcrete.com
France	+33 1 60 61 74 42	france@flowcrete.com
Italy	+39 339 4853258	italy@flowcrete.com
Norway	+47 6486 0830	norway@flowcrete.com
Poland	+48 22 879 8907	poland@flowcrete.com
Romania	+40 766 596 991	romania@flowcrete.com
Russia	+7 916 931 3513	russia@flowcrete.com
Spain	+34 937 07 0872	spain@flowcrete.com
Sweden	+46 435 40 01 10	sweden@flowcrete.com
Turkey	+90 212 2946570	turkey@flowcrete.com
UAE	+971 4 347 0460	uae@flowcrete.com
UK	+44 (0) 1270 753 000	uk@flowcrete.com

### India

India +91 44 40176600 india@flowcrete.com

## North America

Mexico	+55 44 40 94 00	mexico@flowcrete.com
USA	+1 513-943-4225	americas@flowcrete.com