



## INDUSTRIAL FLOORING

High Performance Solutions for:

- ✓ Manufacturing
- ✓ Automotive
- ✓ Electronic
- ✓ Pharmaceutical
- ✓ Aerospace
- ✓ Food and Drink Processing



# Industrial Flooring Range



Flowcrete’s Industrial Flooring range has been developed to deliver the ultimate in durability and resistance for hard-wearing surfaces that stand the test of time.

Reliable formulations stand up to heavy forklift, pallet truck and pedestrian traffic, whilst boasting impressive resistance levels against aggressive chemicals, cleaning agents and spillages across a number of production areas, including those subject to extreme temperature change.

What’s more, Flowcrete’s Industrial flooring range offers everything from textured finishes for slip resistance to UV stability to maintain colour vibrancy. Some ranges are even available in an antistatic grade for the protection of sensitive electronic equipment, resulting in a range of flooring solutions perfect for a variety of heavy duty industrial environments.

## Application Suitability



Manufacturing



Aerospace



Automotive



Electronic



Pharmaceutical



Food and Drink Processing

### Performance Benefits

✓	Exceptional chemical resistance*
✓	Impressive abrasion resistance for a longer lifespan
✓	Withstands variable temperatures
✓	Impact resistant, withstanding a variety of traffic
✓	Antistatic grades available to protect against shock
✓	Some finishes are UV resistant

\* A detailed chemical resistance chart is available upon request for all Industrial systems. Please contact your local Technical Department for further assistance.







\*\* 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.

Colours

Buff

Pastel Green

Forest Green

Clipper Blue

Ocean Blue

Tile Red

Goosewing Grey

Mid Grey

Dark Grey

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

Technical Profile



TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 70°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry 80, Wet depends on specification
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 1
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
ABRASION RESISTANCE	
Taber Abrader	80mg loss per 1000 cycles (1kg load using CS10 wheels)
BS 8204-2	Grade AR2
BOND STRENGTH	
>1.5 MPa*	

\*Assumes concrete compressive strength is greater than 25 N/mm²

Flowseal UV (0.1mm)

A durable, high performance two pack polyurethane sealer, available in clear or a range of standard colours.

Used as a hard-wearing seal coat for applications onto concrete, screeds or epoxy resin systems, where floors are subject to chemical spillages and moderate traffic.

-  Highly chemical resistant
-  Superior abrasion resistance
-  Seamless, hygienic finish
-  UV stable resins available

Technical Profile

TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 1
VAPOUR PERMEABILITY	
ASTM E96	90–20g/ m²/mm/24hrs
BOND STRENGTH	
>1.5 MPa*	




SPEED OF CURE**	10°C	20°C	30°C
Overcoating Time	16 hrs	8 hrs	6 hrs
Full Chemical Cure	14 days	7 days	6 days

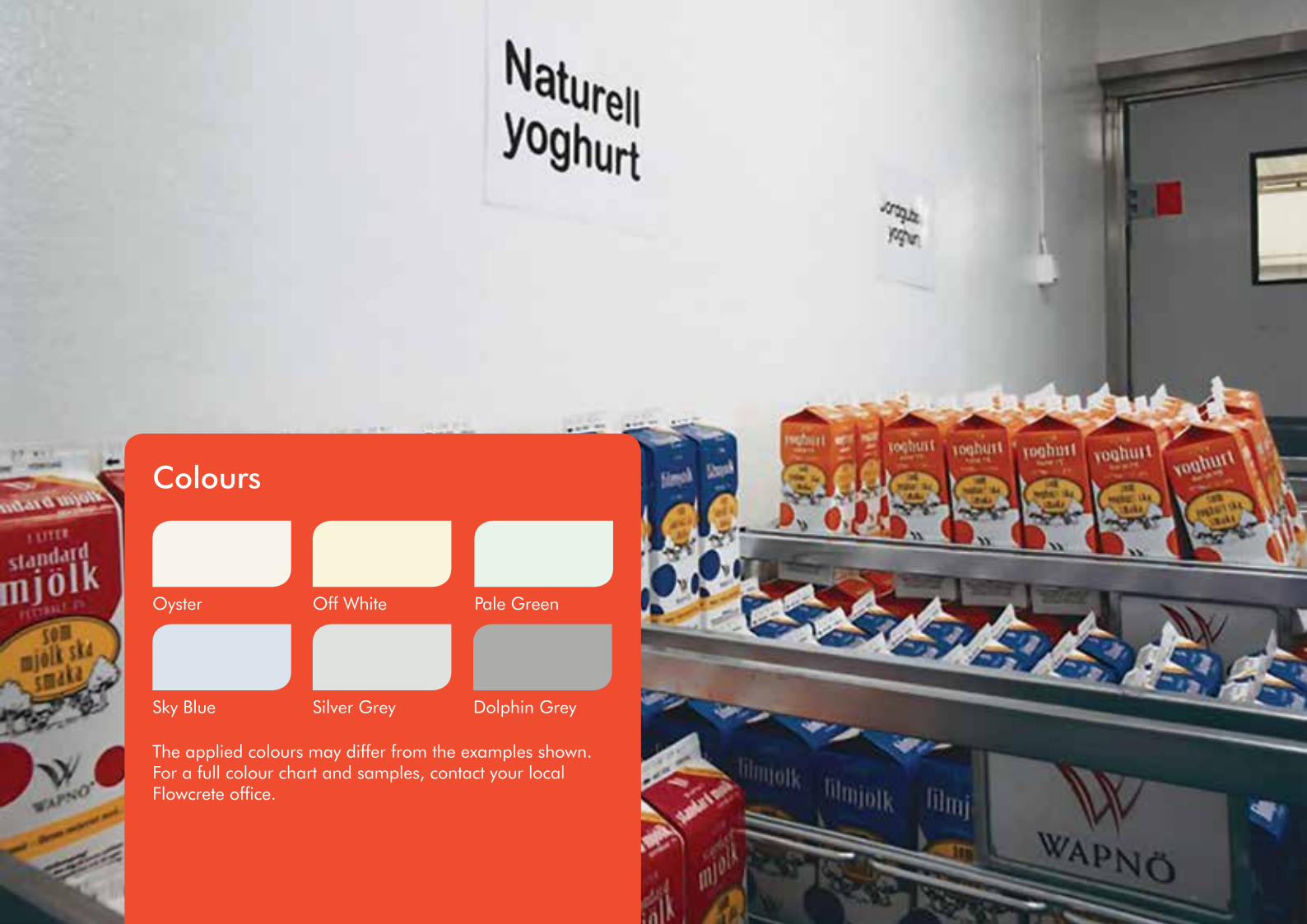
\*Assumes concrete compressive strength is greater than 25 N/mm²

Flowseal EPW Wall Sealer (0.2mm)

A seamless, pigmented, hygienic water-based epoxy wall sealer with a satin finish.

The seamless application of the system protects the surface of the wall in environments where hygiene is important and spillages or splashes are likely, such as hospitals and cleanrooms.

-  Seamless, hygienic finish
-  Can be applied to damp surfaces
-  Attractive, bright colours available



Colours

Oyster

Off White

Pale Green

Sky Blue

Silver Grey

Dolphin Grey

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






Technical Profile

TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
SLIP RESISTANCE	
BS 7976-2	Dry 67
COMPRESSIVE STRENGTH	
BS 6319	>60 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VAPOUR PERMEABILITY	
4gms/m²/mm/24hrs	
ABRASION RESISTANCE	
Taber Abrader	90mg loss per 1000 cycles (1kg load using CS17 wheels)

Flowshield Quartz (2–3mm)

A durable, self-smoothing liquid-vinyl epoxy resin with a decorative speckled finish for a contemporary aesthetic.

Ideal for laboratories, healthcare centres, schools and offices where floors require a decorative but durable surface underfoot and may be subject to chemical spillages.

-  High chemical and abrasion resistance
-  Seamless, easy maintenance finish
-  Decorative, speckled finish underfoot

Colours

		
Ivory	Yellow	Light Blue
		
Dark Blue	Light Green	Dark Green
		
Brick Red	Light Grey	Steel Grey
		
Charcoal		

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

Flowshield SL (2–3mm)





Technical Profile

TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
SLIP RESISTANCE	
BS 7976-2	Dry 67
COMPRESSIVE STRENGTH	
BS 6319	60 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
ABRASION RESISTANCE	
Taber Abrader	90mg loss per 1000 cycles (1kg load using CS17 wheels)
BOND STRENGTH	
> 1.5 MPa*	

\*Assumes concrete compressive strength is greater than 25 N/mm²

A high-gloss, self-smoothing epoxy resin floor finish suitable for dry processing areas subject to foot and rubber wheeled traffic.

Ideal for use within laboratories, warehouses and storage areas in pharmaceutical and automotive industries, where a hard-wearing abrasion resistant flooring is key.

-  Highly chemical resistant
-  Superior abrasion resistance
-  Seamless, hygienic finish
-  Bright, attractive colours available

Colours

		
Cream	Light Blue	Pastel Green
		
Off White	Goosewing Grey	

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



Colours

Rich Cream

Warm Buff

Clay

Coral Red

Blue

Signal Green

Ash Grey

Pewter

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



Technical Profile



TEMPERATURE RESISTANCE	
3mm: From -5°C to 70°C 4mm: From -15°C to 90°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry 70, Wet 25
COMPRESSIVE STRENGTH	
BS 6319	55 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VAPOUR PERMEABILITY	
ASTM E96:90	5g/m/24hrs (at 4mm thick)
ABRASION RESISTANCE	
Taber Abrader	0.1g loss per 1000 cycles (1kg load using CS17 wheels)

Flowfresh MF (3–4mm)

A self-smoothing polyurethane screed, incorporating Polygiene®, for use in dry or semi-wet areas subject to light-medium traffic.

Flowfresh MF is trowel applied to deliver a seamless, joint-free, smooth matt finish, ideal for use in food, beverage and pharmaceutical processing and packaging zones.

- Seamless, hygienic finish
- Variable thaw & thermal resistance
- Strong chemical and abrasion resistance

Technical Profile



TEMPERATURE RESISTANCE	
Tolerant of temperatures from 5°C to 65°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry 70, Wet 25
COMPRESSIVE STRENGTH	
BS 6319	55 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VAPOUR PERMEABILITY	
ASTM E96:90	5g/m²/24hrs (at 4mm thick)
ABRASION RESISTANCE	
Taber Abrader	0.1g loss per 1000 cycles (1kg load using CS17 wheels)

Flowfresh SL (2.5mm)

A self-smoothing antimicrobial polyurethane resin, incorporating Polygiene® for a seamless, ultra hygienic floor system.

With superior cleanliness and high chemical resistance, this range is ideal for semi-wet processing zones within the food, beverage and pharmaceutical industries.

- Seamless finish with superior hygiene
- High chemical resistance
- Superior abrasion resistance

Colours

Rich Cream

Warm Buff

Clay

Coral Red

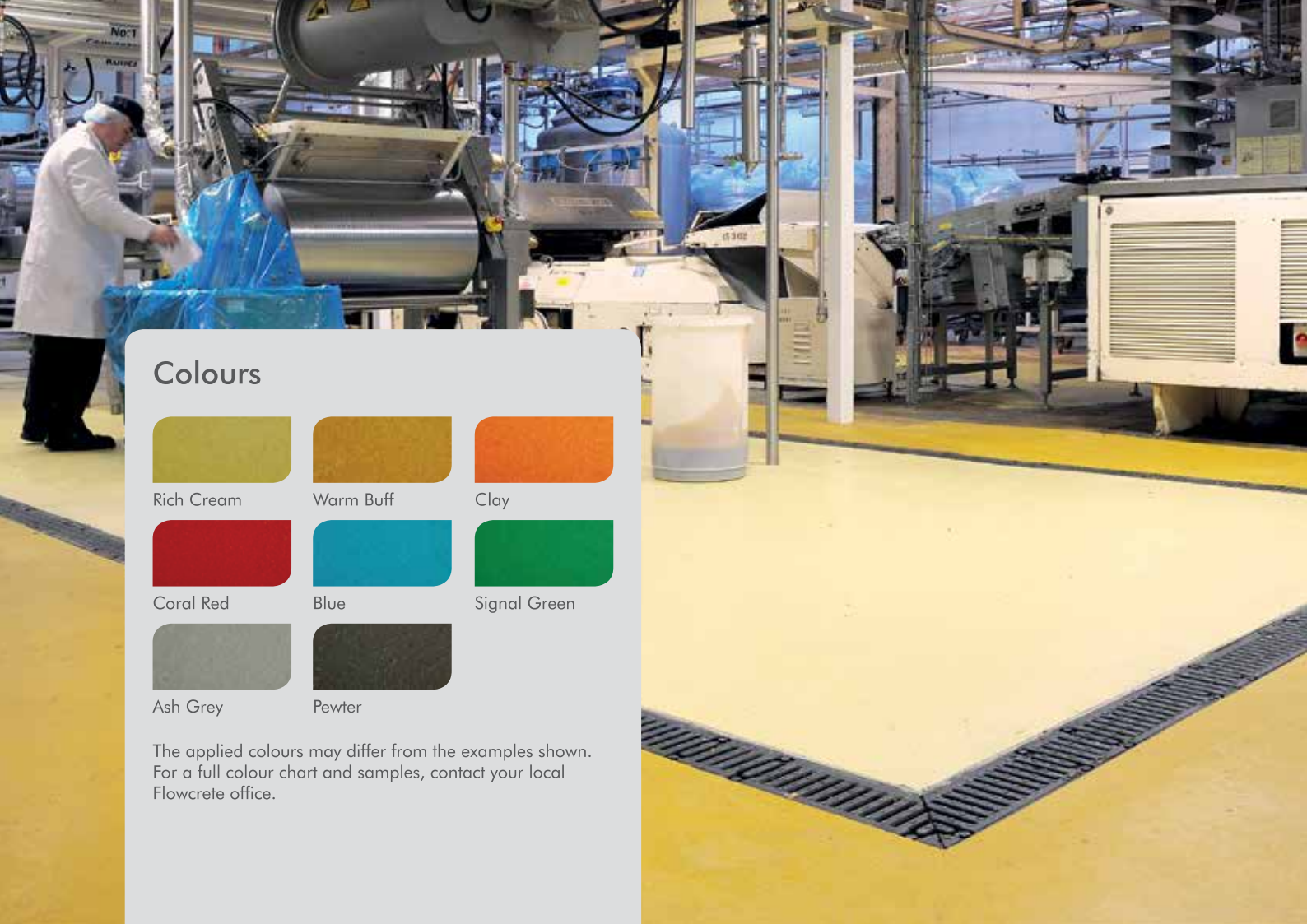
Blue

Signal Green

Ash Grey

Pewter

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





## Technical Profile



### TEMPERATURE RESISTANCE

4–6mm: From -15°C to 90°C  
9mm: From -40°C to 120°C

### SLIP RESISTANCE

TRRL Pendulum Slip Test	Dry 80, Wet min 45 (aggregate dependant)
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### COMPRESSIVE STRENGTH

BS 6319	60 N/mm <sup>2</sup>
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### FIRE RESISTANCE

BS 476-7 Surface spread of flame	Class 2
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### WATER PERMEABILITY

Karsten Test	Nil (Impermeable)
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### VAPOUR PERMEABILITY

ASTM E96:90	3g/m <sup>2</sup> /24hrs (at 9mm thick)
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### ABRASION RESISTANCE

Taber Abrader	0.1g loss per 1000 cycles (1kg load using CS17 wheels)
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## Flowfresh SR (4–6mm / 9mm)

A heavy duty, textured polyurethane resin floor system incorporating Polygiene®, benefitting from high chemical resistance properties.

Ideal for wet processing zones within food manufacturing, preparation areas and chemical processing plants, where environments are subject to variable temperatures and chemical spillages.



Seamless, hygienic finish



Thaw & thermal resistance



Textured finish for added slip resistance

## Colours



Ivory



Yellow



Light Blue



Dark Blue



Light Green



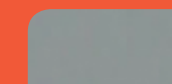
Dark Green



Brick Red



Light Grey



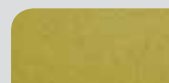
Steel Grey



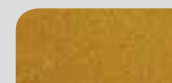
Charcoal

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

## Colours



Rich Cream



Warm Buff



Clay



Coral Red



Blue



Signal Green



Ash Grey



Pewter

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

## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 60°C

### SLIP RESISTANCE

TRRL Pendulum Slip Test	Dry >40, Wet depends on specification
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### COMPRESSIVE STRENGTH

BS 6319	>60 N/mm <sup>2</sup>
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### FIRE RESISTANCE

BS 476-7 Surface spread of flame	Class 1
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### WATER PERMEABILITY

Karsten Test	Nil (Impermeable)
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### ABRASION RESISTANCE

Taber Abrader	80mg loss per 1000 cycles (1kg load using CS10 wheels)
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### BOND STRENGTH

>1.5 MPa\*

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

## Flowcoat OP

(Thickness dependent on specification)

A high performance, solvent free, epoxy resin coating system that delivers enhanced slip resistance.

The system leaves a seamless “orange peel” texture on the surface, reducing the risk of slips and trips whilst providing a hard-wearing flooring solution suitable for factories, warehouses and storerooms.



Highly chemical resistant



Superior abrasion resistance



Impressive anti-slip profile



Bright, attractive colours available



Colours

Ivory

Yellow

Light Blue

Dark Blue

Light Green

Dark Green

Brick Red

Light Grey

Steel Grey

Charcoal

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



Technical Profile

TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry >40, Wet depends on specification
COMPRESSIVE STRENGTH	
BS 6319	>60 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 1
ABRASION RESISTANCE	
Taber Abrader	80mg loss per 1000 cycles (1kg load using CS10 wheels)
BS 8204-2	Grade AR2
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)

Flowcoat SF41

(Thickness dependent on specification)

A high performance, solvent free and chemical resistant epoxy resin coating system offering different grades of slip resistance.

Delivers a seamless, hard-wearing and low maintenance surface for factories, warehouses, store rooms, plant rooms and process areas.

- Highly chemical resistant
- Strong abrasion and impact resistance
- Impressive anti-slip profile

Technical Profile

TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 60°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry >40, Wet depends on specification
COMPRESSIVE STRENGTH	
BS 6319	>60 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
ABRASION RESISTANCE	
Taber Abrader	80mg loss per 1000 cycles (1kg load using CS10 wheels)
FLEXURAL STRENGTH	
BS 6319	>40 N/mm²

Flowcoat SK

(Thickness dependent on specification)

A solvent free, epoxy resin coating with excellent resistance to hydraulic fluids and Skydrol®, available in a smooth or slip resistant finish.

The excellent chemical resistance properties make this system an ideal choice for aircraft hangars, parking areas and workshops, where floors are exposed to strong chemical substances.

- Highly chemical resistant
- Strong abrasion and impact resistance
- Impressive, adjustable anti-slip profile

Colours

Ivory

Yellow

Light Blue

Dark Blue

Light Green

Dark Green

Brick Red

Light Grey

Steel Grey

Charcoal

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





Technical Profile

ELECTRICAL RESISTANCE: CONDUCTIVE	
ASTM F150	$2.5 \times 10^4 - 1.0 \times 10^6 \Omega$
BS 2050	$5.0 \times 10^4 - 1.0 \times 10^8 \Omega$
ELECTRICAL RESISTANCE: DISSIPATIVE	
$1.0 \times 10^6 - 1.0 \times 10^9 \Omega$	




TEMPERATURE RESISTANCE: CONDUCTIVE	
Tolerant of sustained temperatures up to 70°C	
TEMPERATURE RESISTANCE: DISSIPATIVE	
Tolerant of sustained temperatures up to 60°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry >40, Wet depends on specification
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 1

Flowseal ESD

Dissipative or Conductive

A roll-applied, conductive, hygienic, water-based epoxy floor coating that delivers an attractive gloss finish.

Compliant with BS 2050, ANSI/ESD2020, ASTM F150, IEC 61340-4-1 requirements and more, the system is suitable for use in industry with sensitive components such as pharmaceutical plants, laboratories and clean rooms.

-  Antistatic properties protect equipment
-  High chemical and abrasion resistance
-  Seamless, easy maintenance finish

Colours

		
Ivory	Yellow	Light Blue
		
Dark Blue	Light Green	Dark Green
		
Brick Red	Light Grey	Steel Grey
		
Charcoal		

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

Technical Profile

ELECTRICAL RESISTANCE: CONDUCTIVE	
ASTM F150	$2.5 \times 10^4 - 1.0 \times 10^6 \Omega$
BS 2050	$5.0 \times 10^4 - 1.0 \times 10^8 \Omega$
ELECTRICAL RESISTANCE: DISSIPATIVE	
$1.0 \times 10^6 - 1.0 \times 10^9 \Omega$	




TEMPERATURE RESISTANCE	
Softens in temperatures over 60°C	
SLIP RESISTANCE	
TRRL Pendulum Slip Test	Dry 67
COMPRESSIVE STRENGTH	
BS 6319	60 N/mm²
FIRE RESISTANCE	
BS 476-7 Surface spread of flame	Class 2

Flowshield ESD

Dissipative or Conductive

An antistatic, hard-wearing and self-smoothing epoxy resin floor solution with a vibrant finish.

Compliant with BS 2050, ANSI/ESD2020, ASTM F150, IEC 61340-4-1 requirements and more, the system is suitable for dry process areas where floors are subject to a variety of medium to heavy duty pedestrian and trolley traffic such as laboratories and electronic testing areas.

-  Antistatic properties protect equipment
-  High chemical and abrasion resistance
-  Seamless, easy maintenance finish

Colours

		
Ivory	Yellow	Light Blue
		
Dark Blue	Light Green	Dark Green
		
Brick Red	Light Grey	Steel Grey
		
Charcoal		

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





## Flowcrete Group

Flowcrete Group Ltd is the world's leading specialist in seamless resin flooring, screeds and other coating technologies, with operations across five continents.

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