



## INDUSTRIAL FLOORING

High Performance Resin Flooring Solutions for:

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

## Industrial Flooring Range

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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. For areas subject to extreme temperature change or chemical attack, Flowcrete has developed Flowchem VE.

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.



Flowcrete's range of industrial resin flooring systems are classified by FeRFA resin types. For more information, visit [www.ferfa.org.uk](http://www.ferfa.org.uk)

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## Application Suitability



Manufacturing



Aerospace



Automotive



Electronic



Pharmaceutical



Food and Drink Processing

# Industrial Flooring Product Selector



Hygienic Finish



Slip Resistant



Temperature Resistant



Chemical Resistant



Fast Cure



Durable Finish



Antistatic Properties

## FeRFA Type 1 - Light Duty Floor & Wall Seal Coats

Flowseal EPW  
Peran WW



## FeRFA Type 3 - Medium Duty, High Build Floor Coatings

Flowcoat SK  
Flowcoat SF41  
Flowcoat LXP



## FeRFA Type 5 - Medium to Heavy Duty, Self-smoothing Floor Finishes

Flowfresh SL  
Flowshield SL  
Flowshield LXP  
Flowshield LXP HD



## FeRFA Type 6 - Medium to Heavy Duty, Trowel-applied Resin Flooring

Peran STB  
Flowfast Quartz



## FeRFA Type 7 - Heavy Duty, Flowable Flooring

Flowfresh MF



## FeRFA Type 8 - Very Heavy Duty Resin Flooring

Flowfresh HF  
Flowfresh RT  
Mondéco Earth  
Mondéco TZ



Contains Polygiene®, a silver-ion based antimicrobial agent for superior hygiene.



Demonstrates superior resistances to sustained high temperatures.



Fast track installation and cure times in order to minimise downtime.



ESD grade available to safely dissipate the build-up of electrostatic charge.



Low slip potential in accordance with OSHA and ADA guidelines.



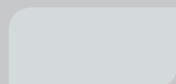
Excellent resistance to acids, alkalis, fats, oils and other substances.



With correct maintenance, offers 10 year life expectancy or greater.

WHERE YOU SEE THIS SYMBOL, AN ESD GRADE IS AVAILABLE

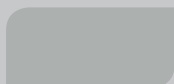
## Standard Colours



Light Grey  
232



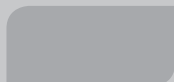
Beige  
326



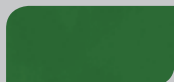
Goosewing Grey  
222



Tile Red  
637



Mid Grey  
280



Forest Green  
754



Dark Grey  
281



Traffic Blue  
466

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



System: Flowseal EPW

## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values  
for 4-S rubber slider)

Dry >40

### REACTION TO FIRE

EN 13501-1

B<sub>FL</sub> - s1

### IMPACT RESISTANCE

EN ISO 6272

6 Nm

### BOND STRENGTH

EN 1542

> 3 N/mm<sup>2</sup>

### WEAR RESISTANCE

EN ISO 5470-1  
Taber Abrader (H22 wheels,  
1000 cycles, 1 kg load)

Weight loss <100mg

### CAPILLARY ABSORPTION & PERMEABILITY TO WATER

EN 1062-3

0.005 kg/m<sup>2</sup> × h<sup>0.5</sup>

### VAPOUR PERMEABILITY

ASTM:E96:90

20g / m<sup>2</sup> / mm / 24hr

## Flowseal EPW (0.12mm)

Flowseal EPW provides a coloured,  
gloss or matte finish at ground level  
in areas of light traffic.

The seamless floor sealer is vapour permeable,  
allowing floors in light processing areas,  
storerooms and garages to breathe.



Seamless hygienic finish



Can be applied to damp substrates



Solvent free and low odour



Temperature resistant up to 70°C



Cost effective solution



## Technical Profile

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### FIRE SAFETY TO UK BUILDING REGULATIONS 2000

Complies with the requirements for Class 0.

### ABRASION RESISTANCE

EN ISO 5470-1  
Taber Abrader (H22 wheels,  
1000 cycles, 1 kg load)

104mg loss

### TEMPERATURE RESISTANCE

Tolerant up to 70°C

### VAPOUR PERMEABILITY

ASTM:E96:90

20mg/m<sup>2</sup>/mm/24hr

### SURFACE HARDNESS

Koenig Hardness Test

182 secs.

### ADHESION BY PULL-OFF TEST

EN 1542

> 3 N/mm<sup>2</sup>

## Peran WW (0.15mm)

Applied to both walls and ceilings, Peran WW provides a coloured, gloss finish for light duty areas.

Owing to its seamless application, Peran WW contributes to hygiene in food processing areas and kitchens, whilst enhancing the working environment with a smooth, attractive finish.



Seamless hygienic finish



Can be applied to damp substrates

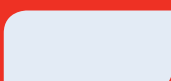


Solvent free and low odour

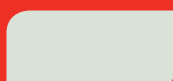


Easy application to walls and ceilings

## Standard Colours



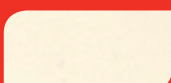
Ice Blue 413



Polar Green 713



Vanilla Yellow 323



Magnolia 302



Silver Grey 204

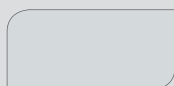


White 050

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



## Standard Flowcoat SF41 Colours



Light Grey  
232



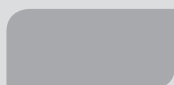
Beige  
326



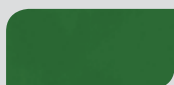
Goosewing Grey  
222



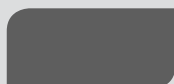
Tile Red  
637



Mid Grey  
280



Forest Green  
754

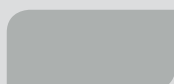


Dark Grey  
281



Traffic Blue  
466

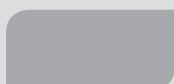
## Standard Flowcoat LXP Colours



Goosewing Grey  
222



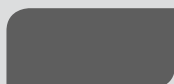
Beige  
326



Mid Grey  
280



Forest Green  
754



Dark Grey  
281



Tile Red  
637

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

## Flowcoat SF41 (0.35mm)

A high performance, solvent free, epoxy resin coating that can deliver an anti-slip profile.

Flowcoat SF41 is also hard wearing against sustained vehicle traffic, as well as chemical and abrasion resistant. A SKYDROL Aviation Fluid grade is also available as Flowcoat SK.



Hard wearing and abrasion resistant



Aesthetically attractive with demarcation



Solvent free and low odour



Tailored anti-slip profile

### Technical Profile

#### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
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#### REACTION TO FIRE

EN 13501-1	B <sub>FL</sub> - s1
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#### IMPACT RESISTANCE

EN ISO 6272	10 Nm
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#### BOND STRENGTH

EN 1542	> 2.5 N/mm <sup>2</sup>
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#### WEAR RESISTANCE

EN 13892-5	Abrasion quantity < 1 cm <sup>2</sup>
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#### CAPILLARY ABSORPTION & PERMEABILITY TO WATER

EN 1062-3	0.001 kg/m <sup>2</sup> × h <sup>0.5</sup>
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#### COMPRESSIVE STRENGTH

EN 13892-2	> 80 N/mm <sup>2</sup>
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### Technical Profile

#### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
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#### REACTION TO FIRE

EN 13501-1	B <sub>FL</sub> - s1
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#### IMPACT RESISTANCE

EN ISO 6272	13 Nm
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#### BOND STRENGTH

EN 1542	> 2.0 N/mm <sup>2</sup>
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#### CAPILLARY ABSORPTION & PERMEABILITY TO WATER

EN 1062-3	0.001 kg/m <sup>2</sup> × h <sup>0.5</sup>
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#### FLEXURAL STRENGTH

EN 13892-2	> 15 N/mm <sup>2</sup>
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#### SURFACE HARDNESS

ASTM D2240	65 (Shore D)
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## Flowcoat LXP (0.7mm)

Flowcoat LXP is a two-pack, solvent free, flexible polyurethane coating applied in a thin layer.

Typically applied in light duty processing, manufacturing and warehousing areas, the seamless system provides a chemical and abrasion resistant solution.



Flexible coating



Excellent chemical resistance



Solvent free and low odour



Tailored anti-slip profile

## Standard Flowfresh SL/MF Colours



Ochre



Cream



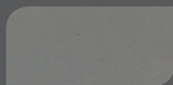
Mustard



Red



Dark Green



Mid Grey

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



## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)

Dry >40

### REACTION TO FIRE

EN 13501-1

B<sub>FL</sub> - s1

### IMPACT RESISTANCE

EN ISO 6272

15 Nm

### TEMPERATURE RESISTANCE

Intermittent Spills: Up to 60°C (SL) / 70°C (MF)  
Sustained Heat: -20°C to 50°C (SL) / 60°C (MF)

### BOND STRENGTH

EN 1542

> 2.5 N/mm<sup>2</sup>

### WEAR RESISTANCE

EN 13892-8

Abrasion quantity <1cm<sup>2</sup>

### COMPRESSIVE STRENGTH

EN 13892-2

>50 N/mm<sup>2</sup> (SL)  
55 N/mm<sup>2</sup> (MF)

## Flowfresh SL/MF (2, 4–6mm)

Flowfresh SL and MF are medium duty chemically resistant, antimicrobial treated polyurethane resin finishes.

The non-tainting, non-dusting surface provides an easy-to-clean surface with impressive durability under traffic and heavy plant machinery.



Contains Polygiene® for superior hygiene



Easy to clean and sterilise



Resistant to a range of chemicals



Durable and abrasion resistant

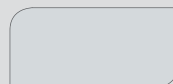


Smooth, matte, coloured finish





## Standard Flowshield SL Colours



Light Grey  
232



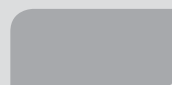
Beige  
326



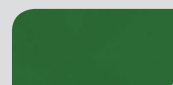
Goosewing Grey  
222



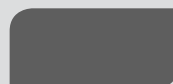
Tile Red  
637



Mid Grey  
280



Forest Green  
754



Dark Grey  
281



Traffic Blue  
466

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

System: Flowshield SL

## Flowshield SL (2mm)

Flowshield SL is a self smoothing resin finish for dry process areas subject to medium to heavy traffic.

The seamless finish provides a durable surface well suited to use in areas subject to foot, trolley and pallet truck and rubber wheeled traffic.



Seamless, joint-free application



Hard wearing finish



Antistatic grade available



Easy to clean and maintain



SKYDROL grade available

## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
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### REACTION TO FIRE

EN 13501-1	B <sub>FL</sub> - s1
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### IMPACT RESISTANCE

EN ISO 6272	15 Nm
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### BOND STRENGTH

EN 13892-8	> 2.5 N/mm <sup>2</sup>
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### WEAR RESISTANCE

EN 13892-5	Abrasion quantity <0.5cm <sup>2</sup>
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### COMPRESSIVE STRENGTH

EN 13892-2	55 N/mm <sup>2</sup>
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### SURFACE HARDNESS

EN 13892-6	>400 N/mm <sup>2</sup>
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FeRFA Type: 5

Medium Duty



## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
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### REACTION TO FIRE

EN 13501-1	B <sub>FL</sub> - s1
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### IMPACT RESISTANCE

EN ISO 6272	13 Nm (LXP) 11 Nm (LXP HD)
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### ELONGATION AT BREAK

BS 6319	60% (LXP) 30% (LXP HD)
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### WEAR RESISTANCE

EN ISO 5470-1 Taber Abrader (H22 wheels, 1000 cycles, 1 kg load)	Weight loss <100mg (LXP)
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EN 13892-5	Abrasion quantity <1cm <sup>2</sup> (LXP HD)
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### FLEXURAL STRENGTH

EN 13892-2	>15 N/mm <sup>2</sup>
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## Flowshield LXP/LXP HD (1.5mm–3mm)

Solvent free, flexible polyurethane toppings typically applied in manufacturing, warehousing and packaging environments.

Flowshield LXP and its heavy duty counterpart deliver superior resistance to traffic and chemicals.



Resistant to chemicals, sugars and acids



Easy-to-clean for low maintenance



Flexible application on various substrates



Optional anti-slip profile available

## Standard Colours



Goosewing Grey  
222



Beige  
326



Mid Grey  
280



Forest Green  
754



Dark Grey  
281



Tile Red  
637

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



## Standard Industrial Colours



Red 301



Grey 704



Green 602



Cream 103



Blue 502



Yellow 104

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



## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)

Dry >40

### REACTION TO FIRE

EN 13501-1

C<sub>FL</sub> - s1

### BOND STRENGTH

EN 13892-8

> 1.5 N/mm<sup>2</sup>\*

### COMPRESSIVE STRENGTH

EN 6319

>40 N/mm<sup>2</sup>

### FLEXURAL STRENGTH

EN 6319

15 N/mm<sup>2</sup>

### TENSILE STRENGTH

EN 6319

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

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

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

## Peran STB (2–5mm)

Comprising colour stable quartz beads in a clear resin binder, Peran STB delivers an attractive, slip resistant and durable floor finish.

The hard wearing topping is typically applied in wet and dry processing areas where the floor is subject to heavy traffic and chemical spillage.



Attractive, decorative finish



Impressive durability



Scratch, impact and chemical resistance



Superior slip resistance



## Standard Industrial Colours



Red 301



Grey 704



Green 602



Cream 103



Blue 502



Yellow 104

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

System: Flowfast Quartz

## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)

Dry >40

### REACTION TO FIRE

EN 13501-1

B<sub>FL</sub> - s1

### IMPACT RESISTANCE

EN ISO 6272

10 Nm

### BOND STRENGTH

EN 1542

> 2.5 N/mm<sup>2</sup>

### WEAR RESISTANCE

EN 13892-5

Max wear depth <50µm

### COMPRESSIVE STRENGTH

EN 13892-2

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

### FLEXURAL STRENGTH

EN 13892-2

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

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 70°C

## Flowfast Quartz (4mm)

Flowfast Quartz is a methyl methacrylate (MMA), hard wearing, decorative resin floor topping.

Ideally suited to dry and wet process areas subject to heavy traffic, the fast-cure system is designed to enable fast track applications, with full system cure times of as little as two hours.



Rapid installation and cure times



Decorative colour stable quartz finish



Impressive resistance to heavy traffic



In-built anti-slip profile

## Technical Profile

### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)

Dry >40

### REACTION TO FIRE

EN 13501-1

B<sub>FL</sub> - s1

### IMPACT RESISTANCE

EN ISO 6272

20 Nm (HF), 21 Nm (RT)

### TEMPERATURE RESISTANCE

Intermittent Spills: Up to 120°C  
Sustained Heat: -40°C to 105°C

### BOND STRENGTH

EN 13892-8

> 2.5 N/mm<sup>2</sup>

### WEAR RESISTANCE

EN 13892-5

Abrasion quantity <1cm<sup>2</sup>

### COMPRESSIVE STRENGTH

EN 13892-2

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

## Flowfresh HF/RT (6-9mm)

Hard wearing, low odour, seamless cementitious floor screed with an antimicrobial additive for hygiene sensitive industries.

Flowfresh HF and RT feature a steam-cleanable, finely textured anti-slip profile to ensure safety underfoot, even in wet processing environments.



Contains Polygiene® for superior hygiene



Durable to withstand very heavy traffic



Good alternative to acid resistant tiles



Superior chemical resistance



## Standard Colours



Ochre



Cream



Mustard



Red



Dark Green



Mid Grey



Gentian Blue



Dark Grey

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





## Mondéco Earth (7mm)

A hygienic, epoxy resin terrazzo comprising granite and flint aggregates for superior strength.

Mondéco Earth has been developed to provide a seamless alternative to terrazzo tiles, with a highly chemical resistant finish and impressive durability underfoot.



Extremely durable



Seamless, hygienic finish



Highly chemical resistant



Taint-free to sensitive foodstuffs

### Technical Profile

#### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
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#### REACTION TO FIRE

EN 13501-1	B <sub>FL</sub> - s1
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#### IMPACT RESISTANCE

EN ISO 6272	16 Nm
EN BS 8204-1	Cat A (<0.5mm)

#### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 60°C

#### BOND STRENGTH

EN 13892-8w	> 2.0 N/mm <sup>2</sup>
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#### WEAR RESISTANCE

EN 13892-4	Max wear depth <50µm
BS 8204	Performance Class: Special



### Technical Profile

#### SLIP RESISTANCE

BS 7976-2 (typical values for 4-S rubber slider)	Dry >40
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#### REACTION TO FIRE

EN 13501-1	B <sub>FL</sub> - s1
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#### IMPACT RESISTANCE

EN ISO 6272	20 Nm
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#### TEMPERATURE RESISTANCE (AT 9MM)

Intermittent Spills: Up to 120°C  
Sustained Heat: -40°C to 105°C

#### BOND STRENGTH

EN 13892-8	> 2.0 N/mm <sup>2</sup>
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#### WEAR RESISTANCE

EN 13892-4	Max wear depth <50µm
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#### COMPRESSIVE STRENGTH

EN 13892-2	>55 N/mm <sup>2</sup>
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## Mondéco TZ (7mm)

Mondéco TZ is a highly temperature resistant polyurethane resin terrazzo with an antimicrobial treatment.

The durable floor covering provides excellent thermal shock resistance to allow for steam cleaning, while offering an abrasion, impact and chemical resistant finish.



Contains Polygiene® for superior hygiene



Impressive chemical & impact resistance



Steam cleanable



Excellent thermal shock resistance

## Standard Mondéco Earth Colours



Provence



Coconut



Dusty Grey



Agate Grey



Oyster White



Chilli Pepper

## Standard Mondéco TZ Colours



Cream



Mustard



Dark Green



Ochre



Mid Grey



Tile Red

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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