



## INDUSTRIAL

- Durable workhorse surfaces suited to use in a wide range of demanding industrial plants and process environments.

# 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.

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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

## Floor & Wall Seal Coats

Flowseal EPW	✓						✓
Peran WW	✓					✓	✓

## High Build Floor Coatings

Flowcoat SF41		✓					
Flowcoat SK		✓		✓			

## Self-smoothing Floor Finishes

Peran SL						✓	
Flowshield LXP	✓		✓				
Flowshield LXP HD						✓	

## Trowel-applied Resin Flooring

Peran STB		✓				✓	✓
Flowfast Quartz		✓	✓	✓	✓	✓	

## Flowable Flooring

Flowfresh MF	✓		✓	✓		✓	
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## Resin Flooring

Flowfresh HF	✓	✓	✓	✓		✓	✓
Flowfresh RT	✓	✓	✓	✓		✓	✓

## Fillers & Sealants

Diamond Hard		✓				✓	
QwikStitch			✓		✓	✓	
QwikJoint			✓		✓	✓	



EUCALID CHEMICAL

## Standard Colours



Emerald Green  
740



Beige  
326



Goosewing Grey  
222



Tile Red  
637



Mid Grey  
280



Yellow Grey  
217



Yellow  
340



Sky Blue  
452

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

EN 13036-4	Dry >40
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### FIRE RESISTANCE

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

EN ISO 6272-1	IR6
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### BOND STRENGTH

EN 1542	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete > 1.5 Mpa
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### WEAR RESISTANCE

EN ISO 5470-1 Taber Abrader (CS17 wheels, 1000 cycles, 1 kg load)	Loss 15 mg
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### CAPILLARY ABSORPTION & PERMEABILITY TO WATER

EN 1062-3	0,005 kg/m <sup>2</sup> x h <sup>05</sup>
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### VAPOUR PERMEABILITY

ASTM:E96:90	20g / m <sup>2</sup> / mm / 24hr
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## Flowseal EPW (0.2–0.3 mm)

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



## Technical Profile

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### ABRASION RESISTANCE

EN ISO 5470-1  
Taber Abrader CS17 wheels,  
1000 cycles, 1 kg load)

15 mg

### 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.

### BOND STRENGTH

EN 13892-8

> 3,0 MPa

## Peran WW (0.15 mm)

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

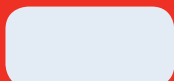


Solvent free and low odour



Easy application to walls and ceilings

## Standard Colours



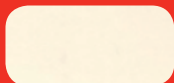
Ice Blue  
413



Polar Green  
713



Vanilla Yellow  
323



Magnolia  
302

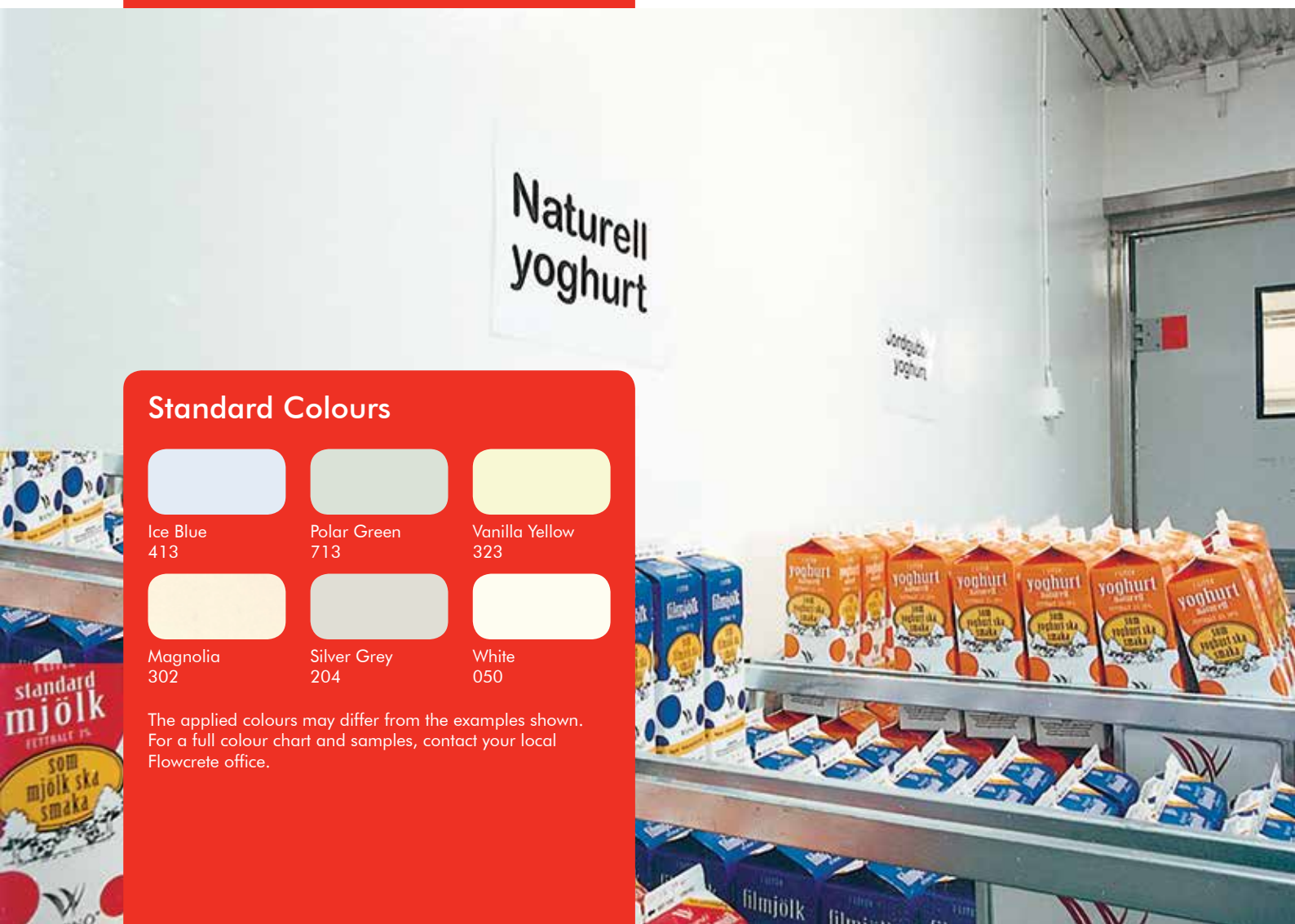


Silver Grey  
204



White  
050

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



## Technical Profile

### SLIP RESISTANCE

EN 13036-4	Dry >40
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### FIRE RESISTANCE

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

EN ISO 6272-1	IR13
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### ELONGATION AT BREAK

BS 6319	60% (LXP), 30% (LXP HD)
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### BOND STRENGTH

EN 1542	2,0 MPa
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### WEAR RESISTANCE

EN 13892-5	RWA1
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### FLEXURAL STRENGTH

EN 13892-2	> 15 N/mm <sup>2</sup>
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## Flowshield LXP/LXP HD (0.7–3 mm)

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



Emerald Green  
740



Beige  
326



Goosewing Grey  
222



Tile Red  
637

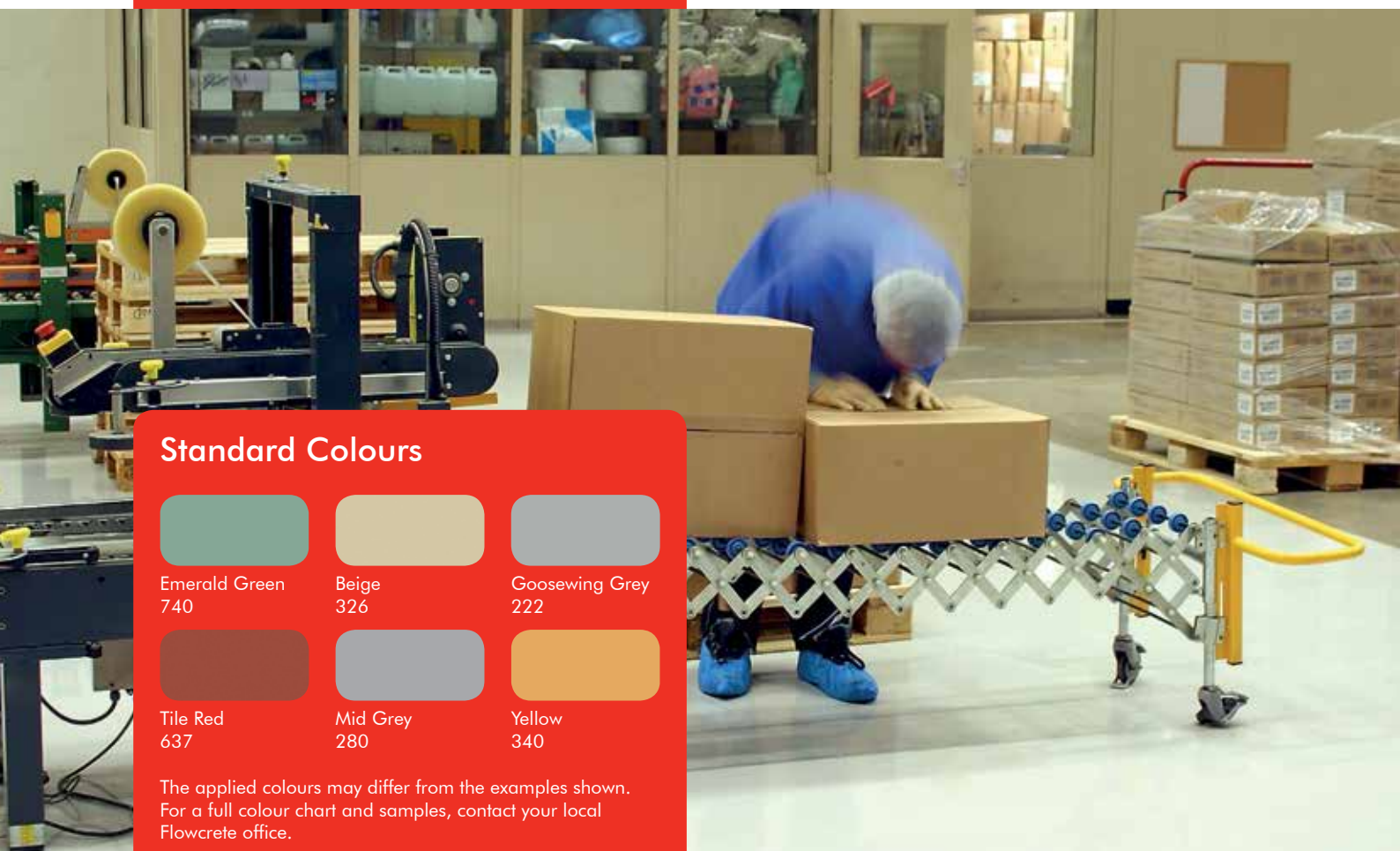


Mid Grey  
280



Yellow  
340

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## Standard Colours



Emerald Green  
740



Beige  
326



Goosewing Grey  
222



Tile Red  
637



Mid Grey  
280



Yellow Grey  
217



Yellow  
340



Sky Blue  
452

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

EN 13036-4	Dry >40
------------	---------

### FIRE RESISTANCE

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

EN ISO 6272-1	IR10
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### BOND STRENGTH

EN 13813	>2,5 MPa
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### WEAR RESISTANCE

EN 13892-5	RWA1
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EN ISO 5470-1 Taber Abrader (CS17 wheels, 1000 cycles, 1 kg load)	Loss 5 mg
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### CAPILLARY ABSORPTION & PERMEABILITY TO WATER

EN 1062-3	0,001 kg/m <sup>2</sup> x h <sup>05</sup>
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### COMPRESSIVE STRENGTH

EN 13892-2	> 80 N/mm <sup>2</sup>
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## Flowcoat SF41 (0.35–3 mm)

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.



Hard wearing and abrasion resistant



Aesthetically attractive with demarcation



Solvent free and low odour



Tailored anti-slip profile



## Standard Colours



Emerald Green  
740



Beige  
326



Goosewing Grey  
222



Tile Red  
637



Mid Grey  
280



Yellow Grey  
217



Yellow  
340



Sky Blue  
452

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

EN 13036-4	Dry >40
------------	---------

### FIRE RESISTANCE

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

EN ISO 6272-1	IR10
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### BOND STRENGTH

EN 13892-8	> 2,0 Mpa
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### WEAR RESISTANCE

EN 13892-5	RWA1
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### COMPRESSIVE STRENGTH

EN 13892-2	> 80 N/mm <sup>2</sup>
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## Flowcoat SK (0.35–1.5 mm)

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.



Resistant to a range of chemicals



Durable and abrasion resistant



Impressive, adjustable anti-slip profile



## Technical Profile

### SLIP RESISTANCE

EN 13036-4 Dry >40

### FIRE RESISTANCE

EN 13501-1 B<sub>FL</sub> - s1

### BOND STRENGTH

>2,7 MPa EN 13892-8

### WEAR RESISTANCE

EN 13892-5 RWA1

### COMPRESSIVE STRENGTH

EN 13892-2 55 N/mm<sup>2</sup>

### FLEXURAL STRENGTH

EN 13892-2 35 N/mm<sup>2</sup>

### TENSILE STRENGTH

BS 6319 25 N/mm<sup>2</sup>

### TEMPERATURE RESISTANCE

Up to 50°C

## Peran SL (2-3 mm)

Peran SL delivers a glossy, durable and self-smoothing finish with a minimalist, contemporary aesthetic.

Suitable for use in areas with intensive pedestrian traffic such as shops, department stores, airport concourses and restaurants.



Seamless, joint-free application



Hard wearing finish



Aesthetically attractive with demarcation



Resistant to a range of chemicals

## Standard Colours



Emerald Green  
740



Beige  
326



Goosewing Grey  
222



Tile Red  
637



Mid Grey  
280



Yellow Grey  
217



Yellow  
340



Sky Blue  
452

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

EN 13036-4	Dry >40
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### ABRASION RESISTANCE

EN 13892-4	Class AR0,5
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### FIRE RESISTANCE

EN 13501-1	B <sub>FL</sub> - s1
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### BOND STRENGTH

EN 13892-8	3,0 MPa
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### COMPRESSIVE STRENGTH

EN 13892-2	> 75 N/mm <sup>2</sup>
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### FLEXURAL STRENGTH

EN 13892-2	>30 N/mm <sup>2</sup>
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### TENSILE STRENGTH

BS 6319-7	15 N/mm <sup>2</sup>
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### WATER PERMEABILITY

Nil – Karsten test (Impermeable)
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## Peran STB (2–6 mm)

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 Colours



White Grey 7001



Light Grey 7002



Mid Grey 7003



Dark Grey 7004



Black 7005



Gold 7006



Beige 7007



Biscuit 7008



Carmine Red 7009



Summer Green 7010



Concrete 7011



Graphite 7012



White Water 7013



Sky Blue 7014



Grey 7100



Blue 7200



Green 7300



Yellow 7400



Red 7500



Cream 7700

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



## Standard Colours

		
White Grey 7001	Light Grey 7002	Mid Grey 7003
		
Dark Grey 7004	Black 7005	Gold 7006
		
Beige 7007	Biscuit 7008	Carmine Red 7009
		
Summer Green 7010	Concrete 7011	Graphite 7012
		
White Water 7013	Sky Blue 7014	Grey 7100
		
Blue 7200	Green 7300	Yellow 7400
		
Red 7500	Cream 7700	

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	
EN 13036-4	Wet >40
FIRE RESISTANCE	
EN 13501-1	B <sub>FL</sub> - s1
IMPACT RESISTANCE	
EN 6272-1	IR10
BOND STRENGTH	
EN 13892-8	> 2,5 MPa
ABRASION RESISTANCE	
EN 13892-4	Class AR1
COMPRESSIVE STRENGTH	
EN 13892-2	60 N/mm <sup>2</sup>
FLEXURAL STRENGTH	
EN 13892-2	20 N/mm <sup>2</sup>

## Flowfast Quartz (4 mm)

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



## Standard Colours



Ochre



Cream



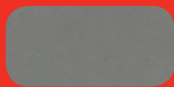
Mustard



Red



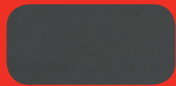
Green



Grey



Dark Blue



Dark Grey

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## Technical Profile

### SLIP RESISTANCE

EN 13036-4 Pendulum Slip Test

Dry 60, Wet 40

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### WATER PERMEABILITY

Karsten Test

Nil-Impermeable

### TEMPERATURE RESISTANCE

From -20°C to +60°C (for 4 mm)  
From -45°C to +90°C (for 6 mm)

### IMPACT RESISTANCE

EN 6272-1

IR15

### BOND STRENGTH

EN 13892-8

2,8 MPa

### ABRASION RESISTANCE

EN 13892-5

RWA1

## Flowfresh MF (2–6 mm)

Flowfresh MF is a medium duty, chemical resistant, antimicrobial treated polyurethane resin floor finish.

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



Smooth, matte, coloured finish

## Technical Profile

### SLIP RESISTANCE

EN 13036-4 Pendulum Slip Test

HF: Dry 80, Wet 40  
RT: Dry: 100, Wet:70

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### IMPACT RESISTANCE

EN 6272-1

IR20

### TEMPERATURE RESISTANCE

From -25°C to +90°C (for 6 mm)  
From -40°C to +120°C (for 9 mm)

### BOND STRENGTH

EN 13892-8

2,8 MPa

### ABRASION RESISTANCE

EN 13892-5

RWA1

### COMPRESSIVE STRENGTH

EN 13892-2

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

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

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



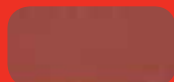
Ochre



Cream



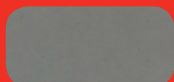
Mustard



Red



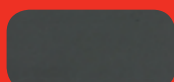
Green



Grey

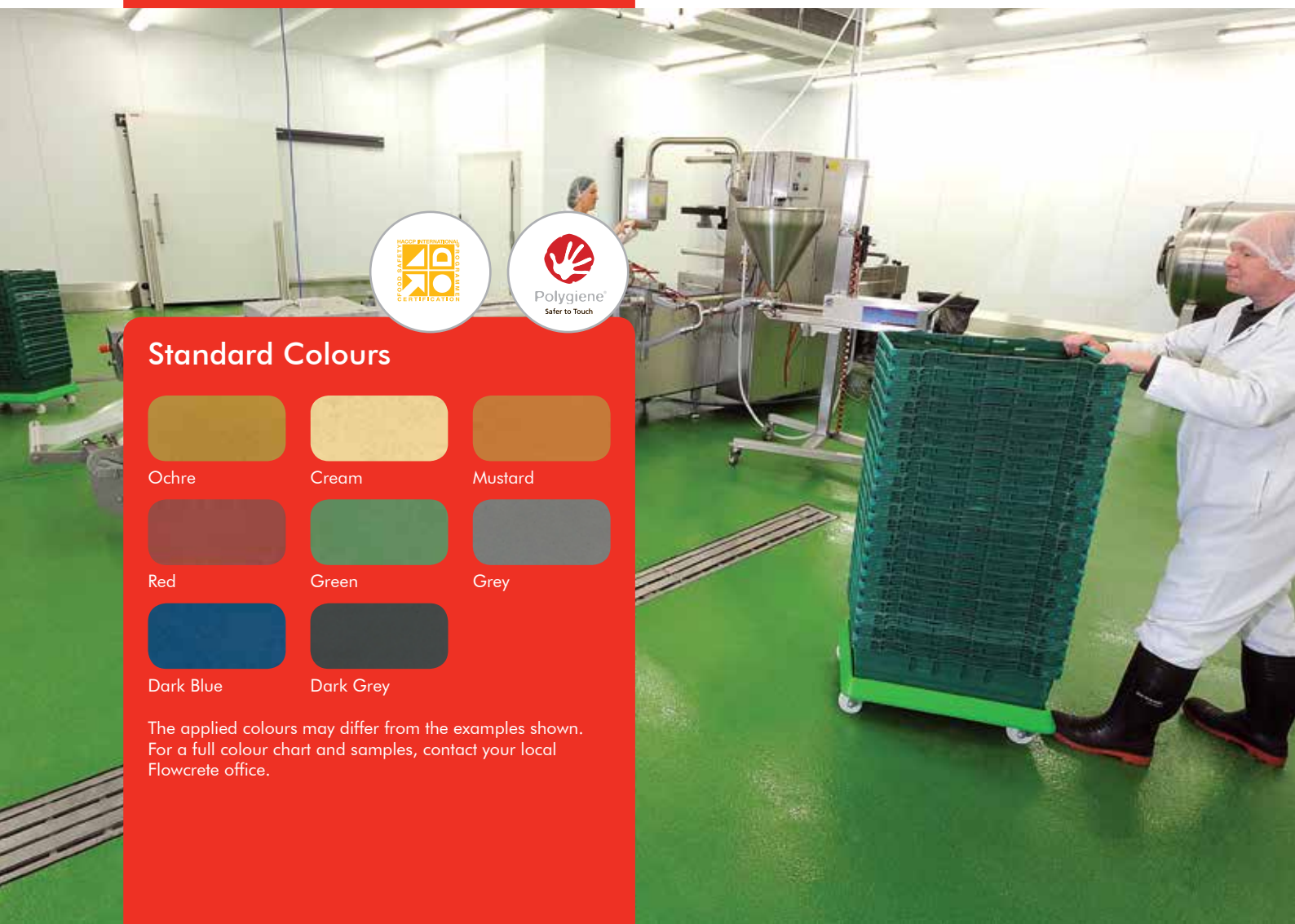


Dark Blue



Dark Grey

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



# Euco Diamond Hard



A unique blend of silicate and silicate polymers that penetrate concrete and chemically react to increase surface density and durability.

Provides an attractive, slip resistant sheen to concrete that never peels, fades, or wears away.



Reduces porosity and increases durability of the concrete surface



Minimises tire marks and enables them to be more easily removed



Can be applied to new or existing concrete

## Technical Profile

### VOC CONTENT

≤5 g/L

### ABRASION/WEAR RESISTANCE

ASTM C 779

### COEFFICIENT OF FRICTION

ASTM F 1679

Dry: 0.81  
Wet: 0.72

### LIQUID REPELLENCY

RILEM Method 11.4

### WATER ABSORBED IN 24 HOURS

Untreated concrete: 5 mL

### DRYING TIME

21°C

Light Foot Traffic: 4 to 6 hrs  
Wheel Traffic: 24 hrs

For a full Technical Profile, contact your local Technical Department.

## Technical Profile

### ADHESION TO CONCRETE

ASTM D 4541

1.7 N/mm<sup>2</sup>

### TENSILE STRENGTH

ASTM D 638

8.9 N/mm<sup>2</sup>

### SHAVE "WINDOW"

1 to 24 hours

### ELONGATION AT BREAK

ASTM D 638

249%

### VISCOSITY

ASTM D 2196

Part A: 2,000 cp  
Part B: 1,800 cp

### TACK-FREE TIME

3 to 4 minutes

### TRAFFIC READY TIME

Light Traffic: 1 hour  
Heavy Traffic: 2 hours

# Euco QWIKjoint



EUCLID CHEMICAL

A fast-setting, semi-rigid polyurea, primarily used for filling construction and control joints in industrial and commercial concrete floors.

It can be shaved flush with the floor shortly after placement or up to 24 hours later. It also supports and protects joint edges from heavy loads and wheel traffic, reducing spalling of the joint edges.



Tough performance reduces floor joint repairs and maintenance



Fast setting formula reduces downtime



Will cure in temperatures as low as -29°C

For a full Technical Profile, contact your local Technical Department.





## Technical Profile

### GEL TIME

24°C	2 – 3 minutes
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### TACK FREE TIME

24°C	10 minutes
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### COMPRESSIVE STRENGTH

ASTM D 695	1.5 hour: 33 24 hours: 35
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### TENSILE ELONGATION

ASTM D 638	16.3
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### TENSILE STRENGTH

ASTM D 638	28
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### NEAT COLOUR

Part A: Clear/Amber Part B: Black Mixed: light gray
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## Euco QWIKstitch



EUCLID CHEMICAL

A two-component hybrid urethane repair liquid used to mend cracks in concrete, repair spalled joints and repair damaged or uneven concrete surfaces.

Its fast cure time makes quick work of repair jobs; repaired concrete can be opened to heavy traffic in less than one hour.



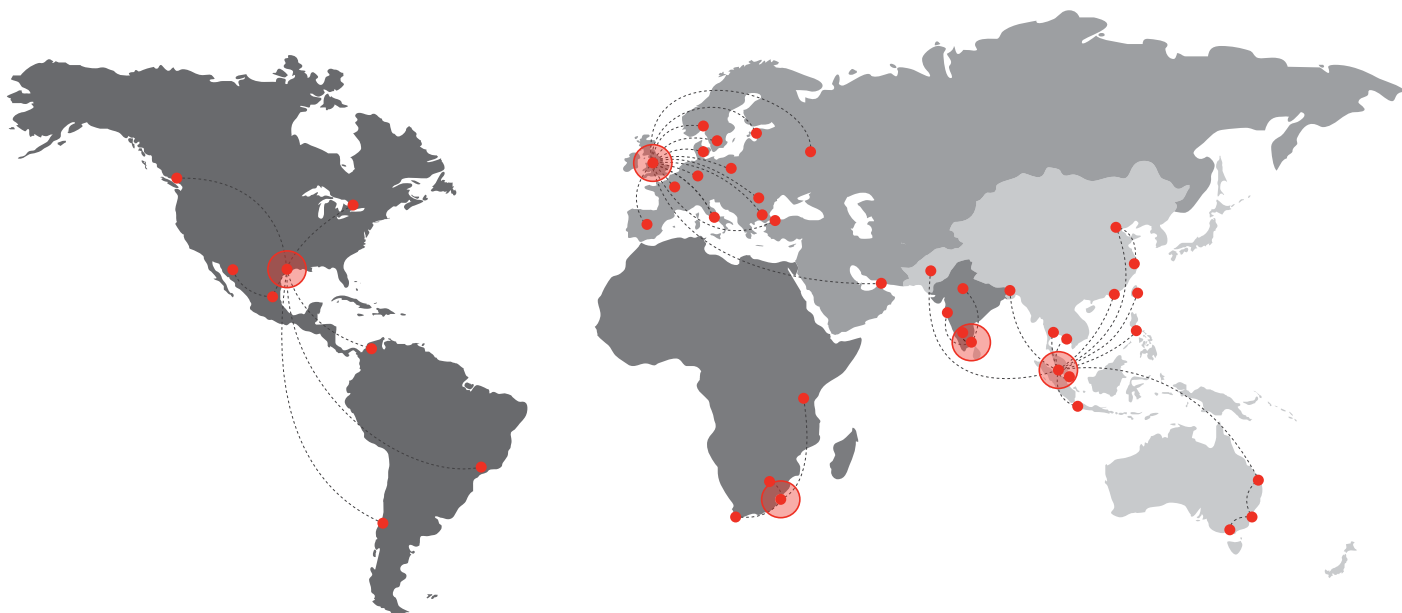
Wide application temperature range: -1°C to 46°C



Very fast cure time



Low VOC and no solvent odour



## Flowcrete

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

## Europe & Middle East

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