



## INDUSTRIAL FLOORING

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

# Industrial Flooring Range Technical Profile

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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, 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.

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## Application Suitability



Manufacturing



Aerospace



Automotive



Electronic



Pharmaceutical



Food and Beverage 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.



## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 70°C

### SLIP RESISTANCE

TRRL Pendulum Slip Test	Dry 70, Wet 40
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### FIRE RESISTANCE

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

ASTM E96	20 g / m <sup>2</sup> / mm / 24 hrs
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### ABRASION RESISTANCE

Taber Abrader	15mg loss per 1000 cycles (1kg load using CS17 wheels)
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BS 8204-2	Class AR3
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### BOND STRENGTH

> 1.5 MPa\*

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

## Flowseal EPW (0.12 mm)

A seamless, semi-gloss water based epoxy coating system available in a range of colours.

With a hygienic, vapour permeable finish the system is suitable for use in environments with light or pedestrian traffic such as kitchens, storerooms and garages.



Seamless, hygienic finish



Can be applied to damp surfaces

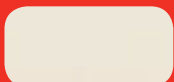


Attractive, bright colours available

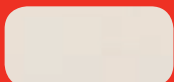


Solvent free, low odour system

## Standard Colours



Off White



Polar Mist



Light Grey



Mid Grey

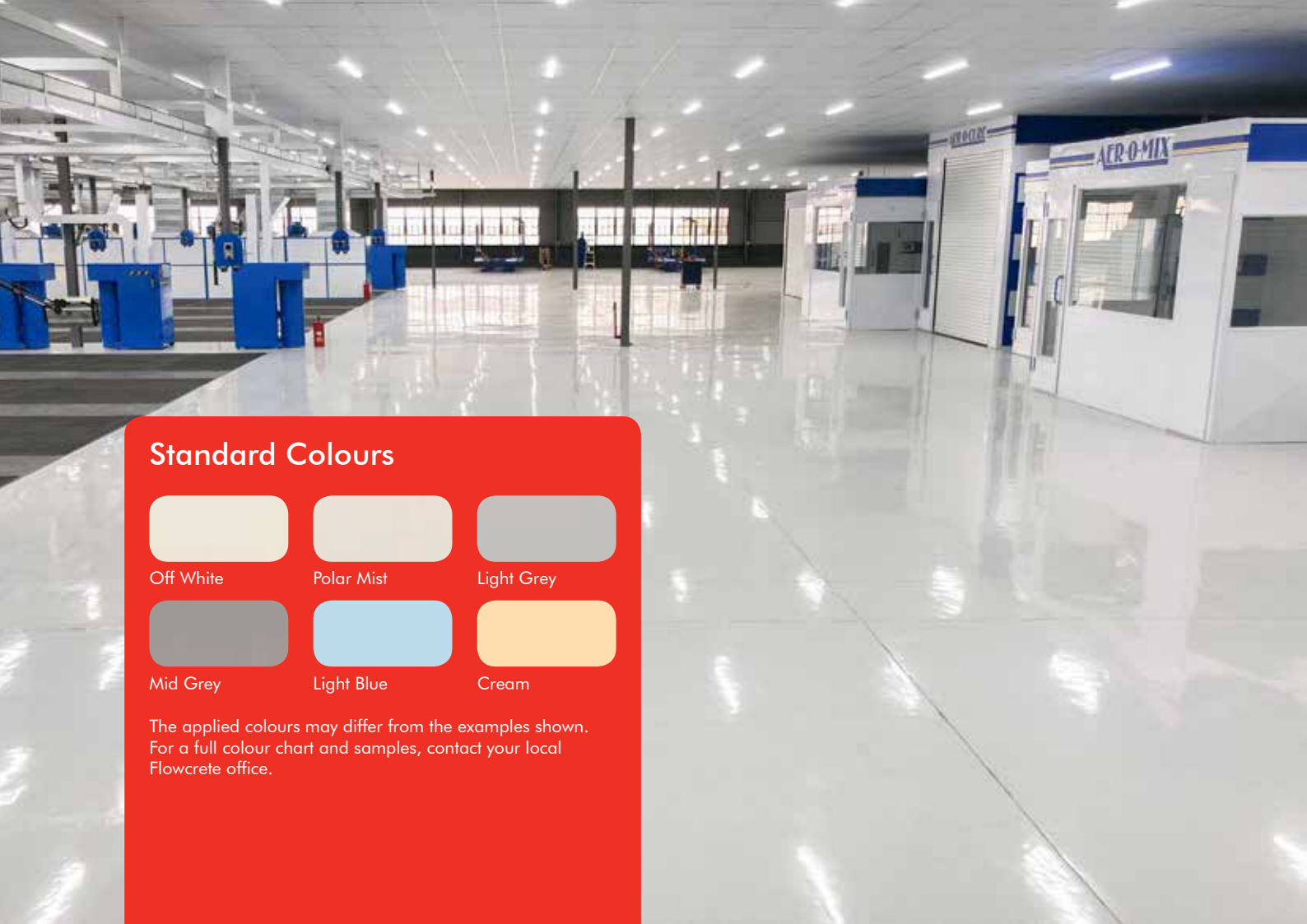


Light Blue



Cream

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





## Standard Colours



Cream



Green



Kalahari



Light Grey



Mid Grey



Signal Red



Sky Blue



Slate 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

TRRL Pendulum Slip Test	Dry 80, Wet 35
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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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### VAPOUR PERMEABILITY

ASTM E96	20 g / m <sup>2</sup> / mm / 24 hrs
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### ABRASION RESISTANCE

Taber Abrader	5gm loss per 1000 cycles (1kg load using CS17 wheels)
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BS 8204-2	Grade AR2
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### BOND STRENGTH

> 1.5 MPa\*

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

## Flowcoat SF41 (0.3–0.5 mm)

A durable, high performance epoxy resin coating with the option of additional slip resistance.

With high abrasion and chemical resistance properties, this system is ideal for environments needing a hardwearing floor such as factories, warehouses and plant rooms.



High chemical and abrasion resistance



Tolerant of temperatures up to 70°C



Seamless, hygienic finish



Flexible levels of slip resistance

## Technical Profile

### SLIP RESISTANCE

BS 7976-2 Dry 67, Wet 26

### COMPRESSIVE STRENGTH

BS 6319 55 N/mm<sup>2</sup>

### FIRE RESISTANCE

BS 476-7 Surface spread of flame Class 2

### WATER PERMEABILITY

Karsten Test Nil (Impermeable)

### ABRASION RESISTANCE

BS 8204-2 Class AR2  
Medium duty industrial and commercial

### BOND STRENGTH

>1.5 MPa\*

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

## Flowshield SL 1000 (1 mm)

A hygienic, self-smoothing epoxy resin floor finish, also available in an antistatic grade.

With impressive abrasion resistance this system is ideal for dry process areas within facilities subject to medium to heavy duty traffic such as printing plants, warehouses and aerospace or automotive environments.



Strong abrasion resistance



Tolerant of temperatures up to 50°C



Antistatic grade available

## Standard Colours



Cream



Green



Kalahari



Light Grey



Mid Grey



Signal Red

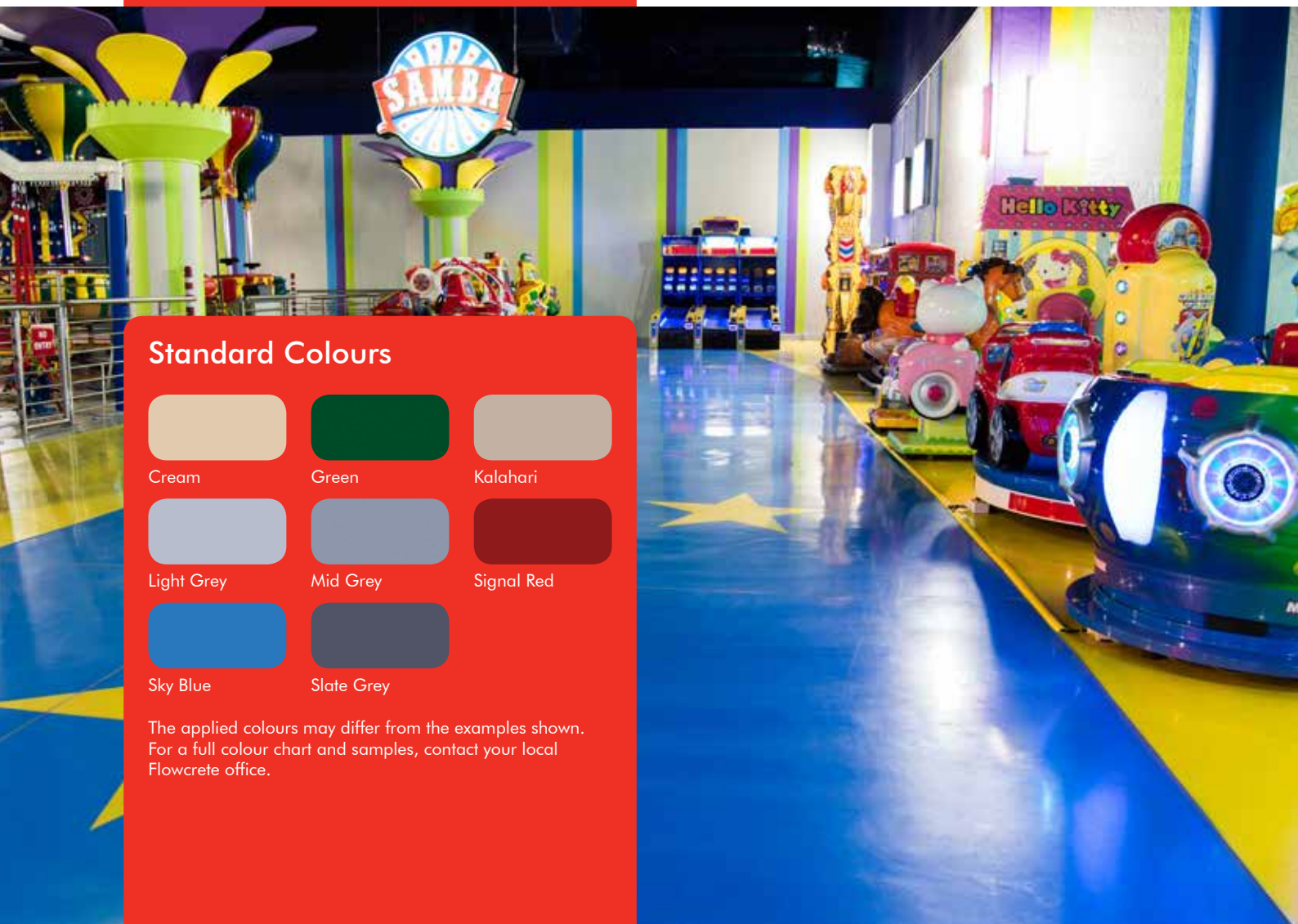


Sky Blue



Slate Grey

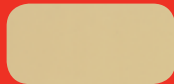
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.



## Standard Colours



Cream



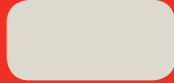
Beige



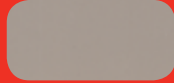
Light Stone



Molluca



Light Grey



Mid Grey



Tile Red



Forest Green

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 50°C

### SLIP RESISTANCE

BS 7976-2

Dry 67, Wet 26

### COMPRESSIVE STRENGTH

BS 6319

55 N/mm<sup>2</sup>

### FIRE RESISTANCE

BS 476-7

Surface spread of flame

Class 2

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### ABRASION RESISTANCE

BS 8204-2

Class AR2  
Medium duty industrial  
and commercial

### BOND STRENGTH

> 1.5 MPa\*

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

## Flowshield 1000 CR (1 mm)

A durable, self-smoothing, highly chemical resistant epoxy resin, available in an antistatic grade.

Ideal for laboratories, cleanrooms, automotive, aerospace and electronics industries where floors are subject to medium duty traffic levels and require high chemical resistance.



High chemical resistance



Strong abrasion resistance



Seamless, low maintenance finish



Antistatic grade available







## Technical Profile

### ELECTRICAL RESISTANCE

$5 \times 10^4 - 10^8 \Omega$

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 50°C

### SLIP RESISTANCE

BS 7976-2 Dry 80, Wet 14

### COMPRESSIVE STRENGTH

BS 6319 >55 N/mm<sup>2</sup>

### FIRE RESISTANCE

BS 476-7 Surface spread of flame Class 2

### WATER PERMEABILITY

Karsten Test Nil (Impermeable)

### BOND STRENGTH

> 1.5 MPa\*

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

## Flowshield ESD (2 mm)

A solvent free resin based floor topping formulated as part of an electrostatic dissipative system.

Meeting BS 2050 antistatic requirements, this system offers an easy, fast track installation and high abrasion resistance, ideal for electronics and pharmaceutical industries.



Antistatic properties to BS 2050 standards



Strong abrasion resistance



Fast installation time



Seamless, low maintenance finish

## Standard Colours



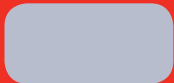
Cream



Green



Kalahari



Light Grey



Mid Grey



Signal Red

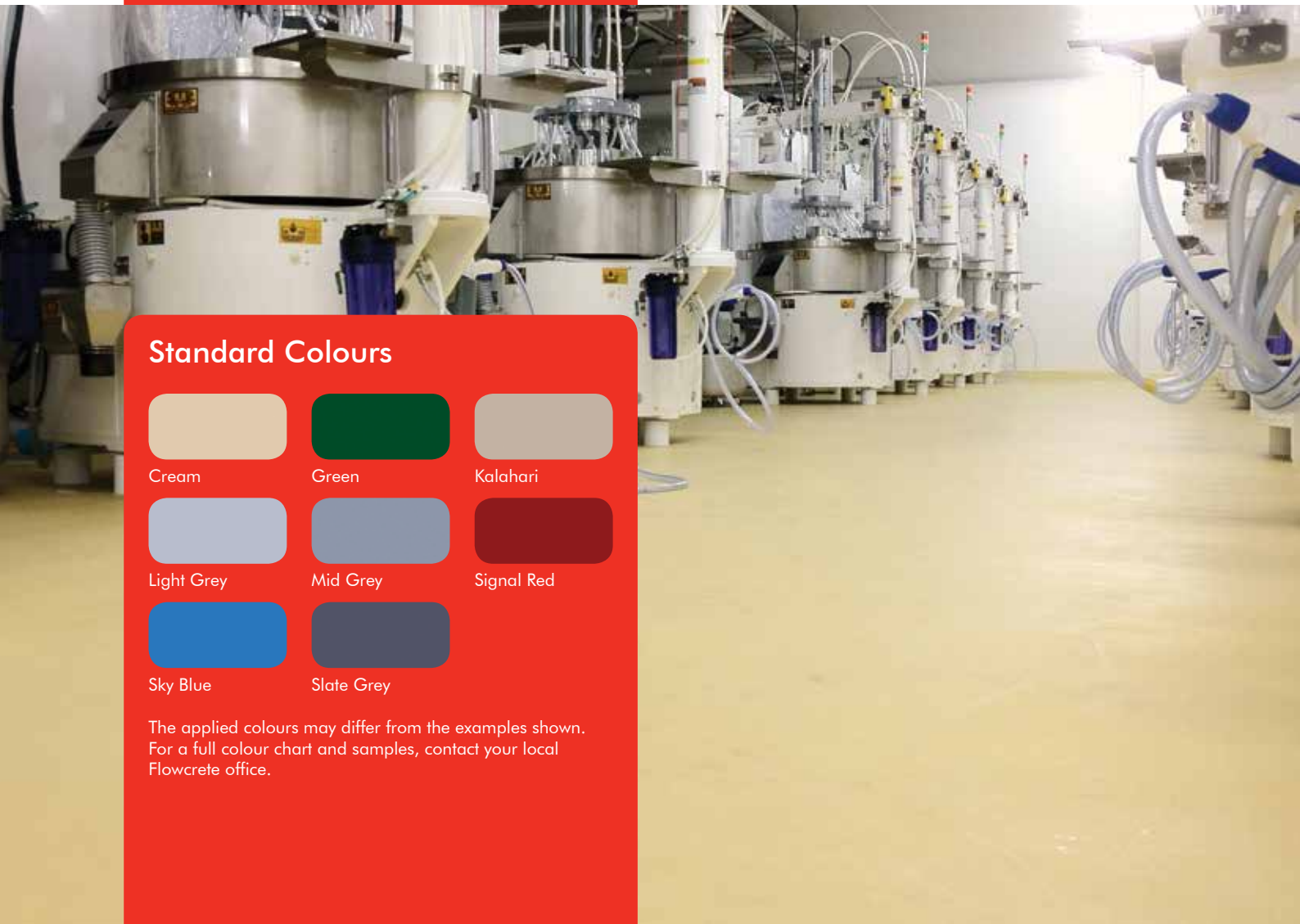


Sky Blue



Slate 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

TRRL Pendulum Slip Test      Dry 78, Wet 14

### COMPRESSIVE STRENGTH

BS 6319      55 N/mm<sup>2</sup>

### FIRE RESISTANCE

BS 476-7  
Surface spread of flame      Class 2

### WATER PERMEABILITY

Karsten Test      Nil (Impermeable)

### ABRASION RESISTANCE

BS 8204-2      Class AR2  
Medium duty industrial  
and commercial

### BOND STRENGTH

> 1.5 MPa\*

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

## Flowshield Quartz (2 mm)

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

Strong resistance properties make this system ideal for intensive traffic areas where floors require a durable surface underfoot and may be subject to chemical spillages.



Hardwearing, resistant finish



Seamless, low maintenance finish



Tolerant of temperatures up to 50°C



Decorative finish underfoot

## Standard Colours



Beige



Goosewing Grey



Mint Green



Polar Mist

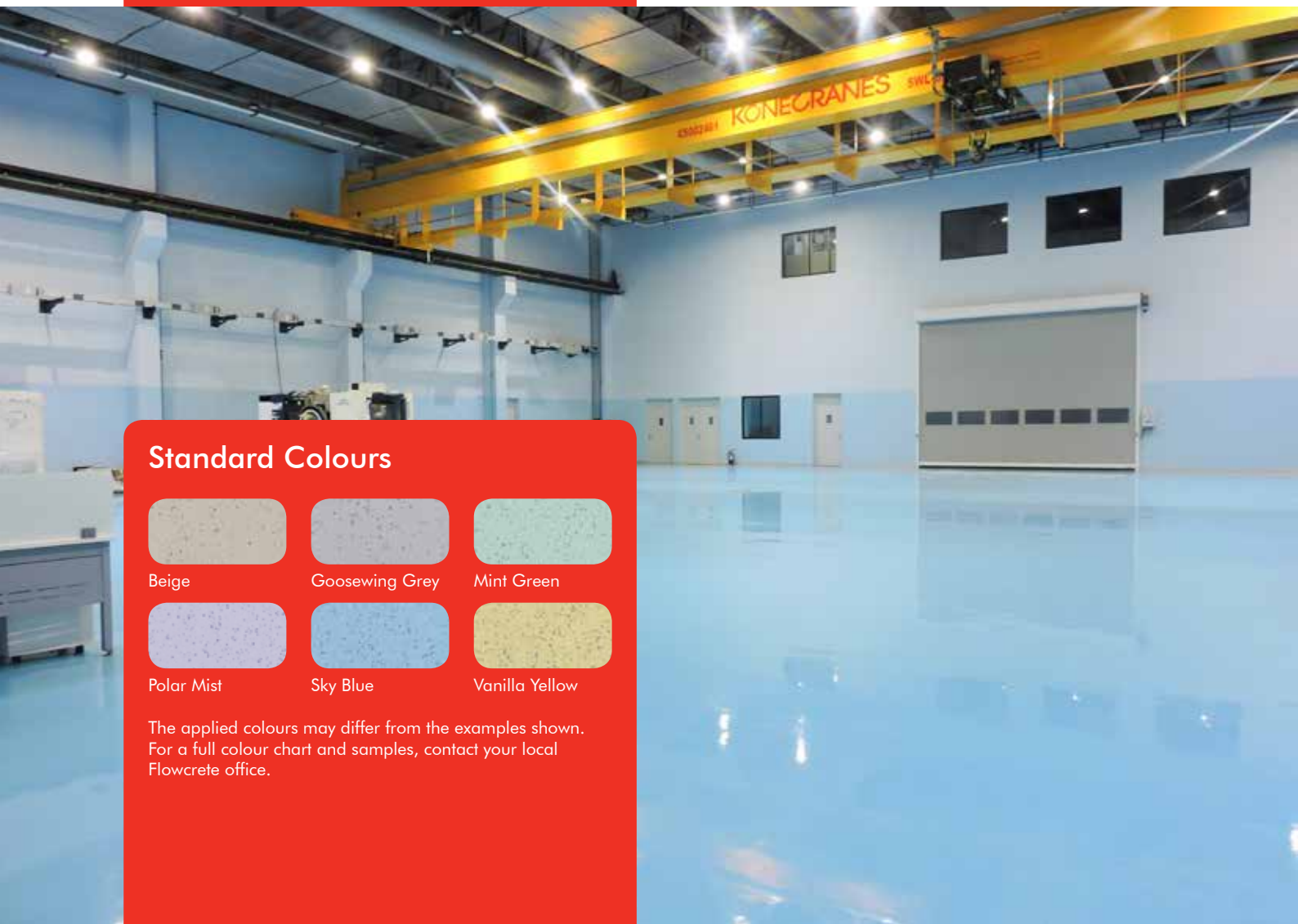


Sky Blue



Vanilla Yellow

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





## Standard Colours



Cream



Green



Kalahari



Light Grey



Mid Grey



Signal Red



Sky Blue



Slate 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 50°C

### SLIP RESISTANCE

BS 7976-2

Dry 80, Wet 14

### COMPRESSIVE STRENGTH

BS 6319

55 MPa

### FIRE RESISTANCE

BS 476-7

Surface spread of flame

Class 2

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### ABRASION RESISTANCE

BS 8204

Class AR2

### BOND STRENGTH

> 1.5 MPa\*

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

## Flowshield SL (2 mm)

A resilient, self-smoothing epoxy resin system with an attractive, seamless gloss finish.

High chemical and abrasion resistance combined with fast installation and cure times makes this system ideal for hospitals, kitchens and garages where floors may be subject to chemical spillage and moderate traffic.



Seamless, hygienic finish



High chemical resistance



Strong abrasion resistance





## Standard Colours



Cream



Green



Kalahari



Light Grey



Mid Grey



Signal Red



Sky Blue



Slate 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

Dry 59, Wet 35

### COMPRESSIVE STRENGTH

BS 6319

>70 N/mm<sup>2</sup>

### FIRE RESISTANCE

Certificate No. 1721/75  
SITAC

Class G

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### ABRASION RESISTANCE

BS 8204-2

Class AR2  
Industrial and commercial

### BOND STRENGTH

>1.5 MPa\*

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

## Peran PTS (4.5–5 mm)

A hardwearing, resin floor topping comprising coloured quartz granules, encapsulated in a resin binder with a matt or gloss finish.

Ideal for use in wet and dry industrial applications that require high performance, durable flooring solutions with a contemporary aesthetic.



High chemical and abrasion resistance



Tolerant of temperatures up to 50°C



Seamless, low maintenance finish



Fast installation time

## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 70°C

### COMPRESSIVE STRENGTH

>80 MPa

### FLEXURAL STRENGTH

30 MPa

### BOND STRENGTH

40 kg / cm<sup>2</sup> (concrete fails)

### SPEED OF CURE

10°C–30°C

Light Traffic

24 hrs

Full Chemical Cure

7 days

\*\* 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.

## Flowtex CR (6 mm)

A high performance, specialised epoxy mortar screed with exceptional chemical resistance against acids, alkalis and most solvents.

Designed for use in demanding chemical environments such as acid and alkali bund areas, battery charging bays, chemical loading bays and food processing facilities.



Extremely high chemical resistance



Strong abrasion and impact resistance



Can be applied vertically

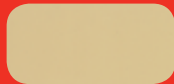




## Standard Colours



Cream



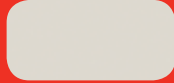
Beige



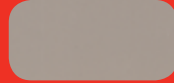
Light Stone



Molluca



Light Grey



Mid Grey



Tile Red



Forest Green

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 59, Wet 35

### COMPRESSIVE STRENGTH

BS 6319

>70 N/mm<sup>2</sup>

### FIRE RESISTANCE

Certificate No. 1721/75  
SITAC

Class G

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### ABRASION RESISTANCE

BS 8204-2

Class AR2  
Medium duty industrial  
and commercial

### BOND STRENGTH

> 1.5 MPa\*

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

## Flowtex HT (6 mm)

A hand trowelled, hardwearing, epoxy mortar screeding compound, available in a range of colours.

The excellent mechanical properties of this system make it ideal for use in heavy duty environments subject to intense traffic, impact and chemical spillages.



Highly chemical resistant



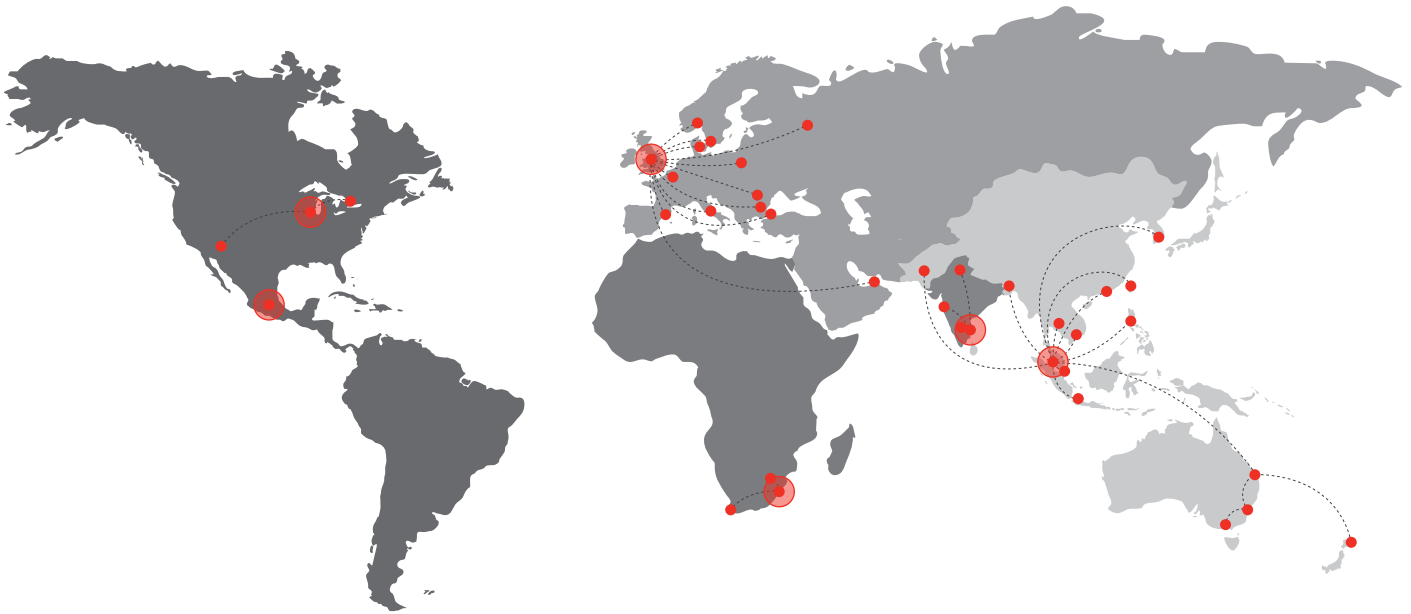
Strong abrasion and impact resistance



Resistance to thermal shock



Seamless, low maintenance finish



## Flowcrete

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

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