

INDUSTRIAL FLOORING

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

Industrial Flooring Technical Profile



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 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

FIRE RESISTANCE

BS 476-7, Spread of flame Class 1

SLIP RESISTANCE

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

THERMAL RESISTANCE

Tolerant up to 60°C

SURFACE HARDNESS

Koenig Hardness Test 180 secs.

ABRASION RESISTANCE

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

COMPRESSIVE STRENGTH

BS 6319 >60 N/mm²

FLEXURAL STRENGTH

BS 6319 >40 N/mm²

Flowcoat CR

(thickness dependent on specification)

A high performance, solvent free, chemical resistant epoxy coating.

Different grades of slip resistance can be achieved by inclusion of graded aggregates between coats.



Impressive chemical resistance



Hard wearing and abrasion resistant



Slip resistant, textured profile



Solvent free, low odour

Standard Colours



Ivory



Yellow



Dark Red



Light Blue



Blue



Dark Green



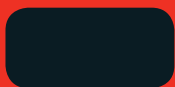
Light Grey



Mid Grey

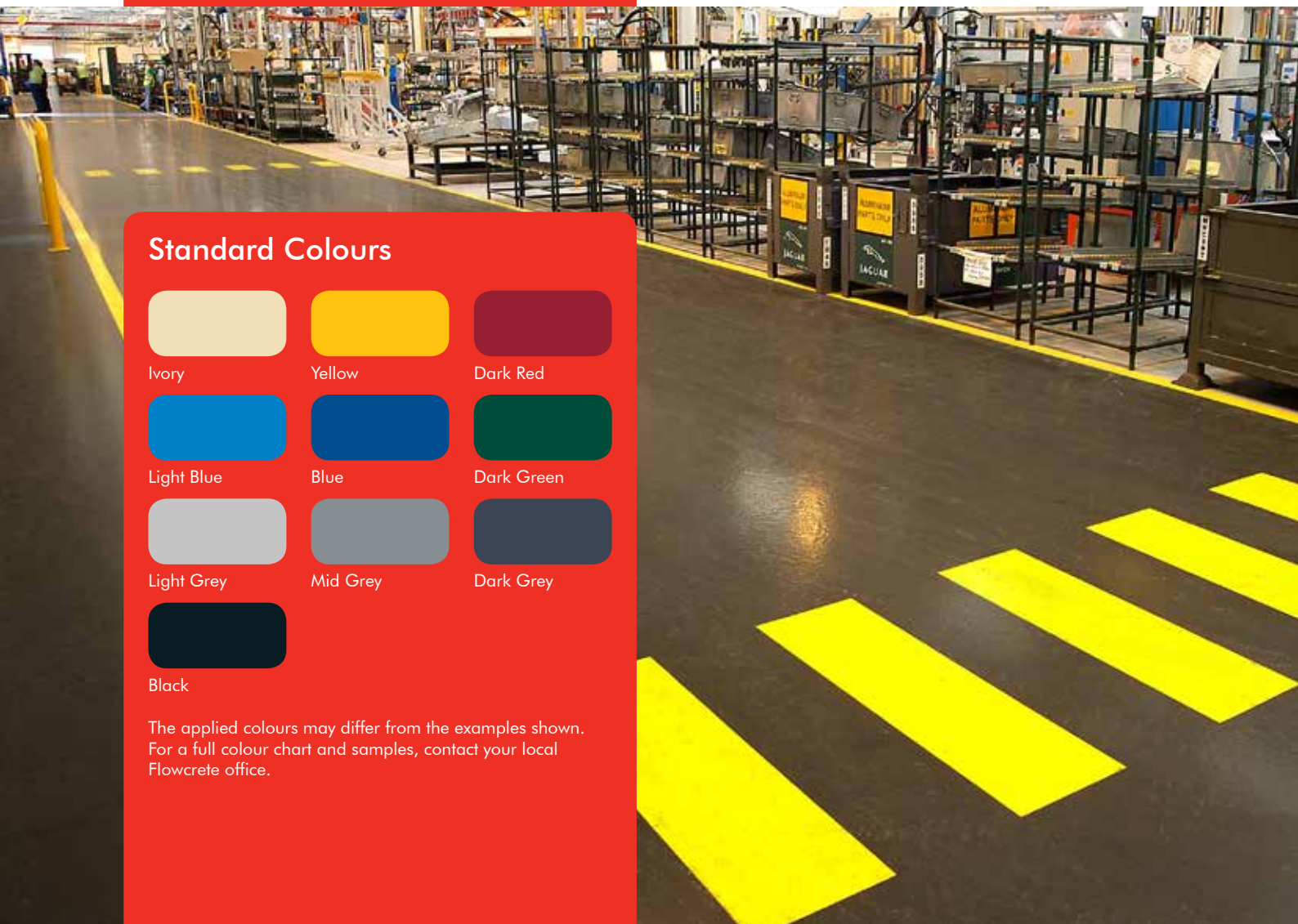


Dark Grey

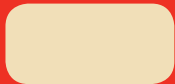


Black

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



Standard Colours



Ivory



Yellow



Dark Red



Light Blue



Blue



Dark Green



Light Grey



Mid Grey



Dark Grey



Black

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



Technical Profile

FIRE RESISTANCE

BS 476-7, Spread of flame	Class 1
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SLIP RESISTANCE

TRRL Pendulum Slip Test	Dry >40, Wet depends on specification
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THERMAL RESISTANCE

Tolerant up to 60°C

SURFACE HARDNESS

Koenig Hardness Test	180 secs.
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ABRASION RESISTANCE

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

BS 6319	>60 N/mm ²
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FLEXURAL STRENGTH

BS 6319	>40 N/mm ²
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Flowcoat SF41

(thickness dependent on specification)

A solvent free, chemical resistant, high-build epoxy floor coating.

Different grades of slip resistance can be achieved by inclusion of graded aggregates between coats.



Impressive chemical resistance



Hard wearing and abrasion resistant



Slip resistant, textured profile



Attractive, light reflective finish

Technical Profile

FIRE RESISTANCE	
BS 476-7, Spread of flame	Class 2
SLIP RESISTANCE	
BS 7976-2	Dry 67 (typical values for 4-S rubber slider)
THERMAL RESISTANCE	
Tolerant up to 60°C	
ABRASION RESISTANCE	
Taber Abrader	90 mg loss per 1000 cycles (1 kg load using CS10 wheels)
COMPRESSIVE STRENGTH	
BS 6319	>60 N/mm ²
FLEXURAL STRENGTH	
BS 6319	>40 N/mm ²
TENSILE STRENGTH	
BS 6319	>25 N/mm ²

Flowshield SL (2–3 mm)

A high gloss, self-smoothing epoxy resin floor coating system.

Typically used where the floor is subjected to foot, trolley, pallet truck and rubber wheeled forklift traffic, owing to its durability.



Hard wearing and abrasion resistant



Seamless and easy to clean



Attractive to enhance workspaces



Chemical resistance grade available

Standard Colours



Ivory



Yellow



Dark Red



Light Blue



Blue



Dark Green



Light Grey



Mid Grey



Dark Grey



Black

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



Standard Colours



Ivory



Yellow



Dark Red



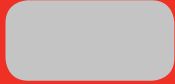
Light Blue



Blue



Dark Green



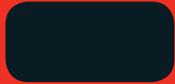
Light Grey



Mid Grey



Dark Grey



Black

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



Technical Profile

FIRE RESISTANCE

BS 476-7, Spread of flame

Class 2

SLIP RESISTANCE

BS 7976-2

Dry >40 (typical values for 4-S rubber slider)

THERMAL RESISTANCE

Tolerant up to 60°C

SURFACE HARDNESS

Koenig Hardness Test

180 secs.

ABRASION RESISTANCE

Class AR2 (Medium duty industrial and commercial)

FLEXURAL STRENGTH

BS 6319

>40 N/mm²

ELONGATION AT BREAK

BS 6319

30%

Flowshield LXP HD (2–3 mm)

A three pack, solvent free, flexible polyurethane floor coating system.

Typically used to provide an easy to clean, chemical resistant coating over asphalt, wood, steel and concrete owing to its flexibility.



Seamless finish (except substrate joints)



Impressive chemical resistance



Easy to clean and sterilise



Flexible for use over varying substrates

Technical Profile

THERMAL RESISTANCE

Tolerant up to 60°C

COMPRESSIVE STRENGTH

BS 6319 >50 N/mm²

FLEXURAL STRENGTH

BS 6319 >40 N/mm²

TENSILE STRENGTH

BS 6319 10 N/mm²

TENSILE STRENGTH

>1.5 MPa*

IMPACT RESISTANCE

ISO 6272
1 kg weight >1.8 m
2 kg weight >1.5 m

CHEMICAL RESISTANCE

Contact Technical Department

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

Flowtex HT (4–8 mm)

A hand trowelled, heavy duty epoxy underlayment for a variety of industrial grade floor finishes.

Typically installed in intensive industrial environments where the floor is subjected to high traffic, impact and chemical spills.



Impressive chemical resistance



Minimises undulation



Excellent impact resistance



Solvent free, low odour

Standard Colours



Ivory



Yellow



Dark Red



Light Blue



Blue



Dark Green



Light Grey



Mid Grey



Dark Grey



Black

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



Standard Colours



Ivory



Yellow



Dark Red



Light Blue



Blue



Dark Green



Light Grey



Mid Grey



Dark Grey



Black

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



Technical Profile

FIRE RESISTANCE

BS 476-7, Spread of flame Class 2

SLIP RESISTANCE

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

THERMAL RESISTANCE

Tolerant up to 60°C

SURFACE HARDNESS

Koenig Hardness Test 180 secs.

ABRASION RESISTANCE

Taber Abrader 90 mg loss per 1000 cycles (1 kg load using CS17 wheels)

COMPRESSIVE STRENGTH

BS 6319 >60 N/mm²

FLEXURAL STRENGTH

BS 6319 >40 N/mm²

Flowshield SK (2–3 mm)

A self-smoothing epoxy coating that provides excellent resistance to SKYDROL® and hydraulic fluids.

Often chosen for use in aircraft hangars and other intensive environment owing to its impressive chemical and abrasion resistance.



Resistant to SKYDROL® and fuels



Impressive chemical resistance



Seamless and easy to clean



Hard wearing and abrasion resistant

Technical Profile

FIRE RESISTANCE

BS 476-7, Spread of flame Class 2

SLIP RESISTANCE

BS 7976-2 Dry 67 (typical values for 4-S rubber slider)

THERMAL RESISTANCE

Tolerant up to 60°C

SURFACE HARDNESS

Koenig Hardness Test 180 secs.

ABRASION RESISTANCE

Taber Abrader 90 mg loss per 1000 cycles (1 kg load using CS17 wheels)

COMPRESSIVE STRENGTH

BS 6319 >60 N/mm²

FLEXURAL STRENGTH

BS 6319 >40 N/mm²

Flowshield Quartz (2-3 mm)

A decorative, hard wearing, self smoothing 'liquid vinyl' epoxy resin floor coating system.

Typically applied in light duty, dry processing environment where a decorative aesthetic is required, owing to its attractive quartz finish.



Decorative to enhance workspaces



Hard wearing and abrasion resistant



Impressive chemical resistance



Seamless and easy to clean

Standard Colours



Off White



Cream



Pastel Green

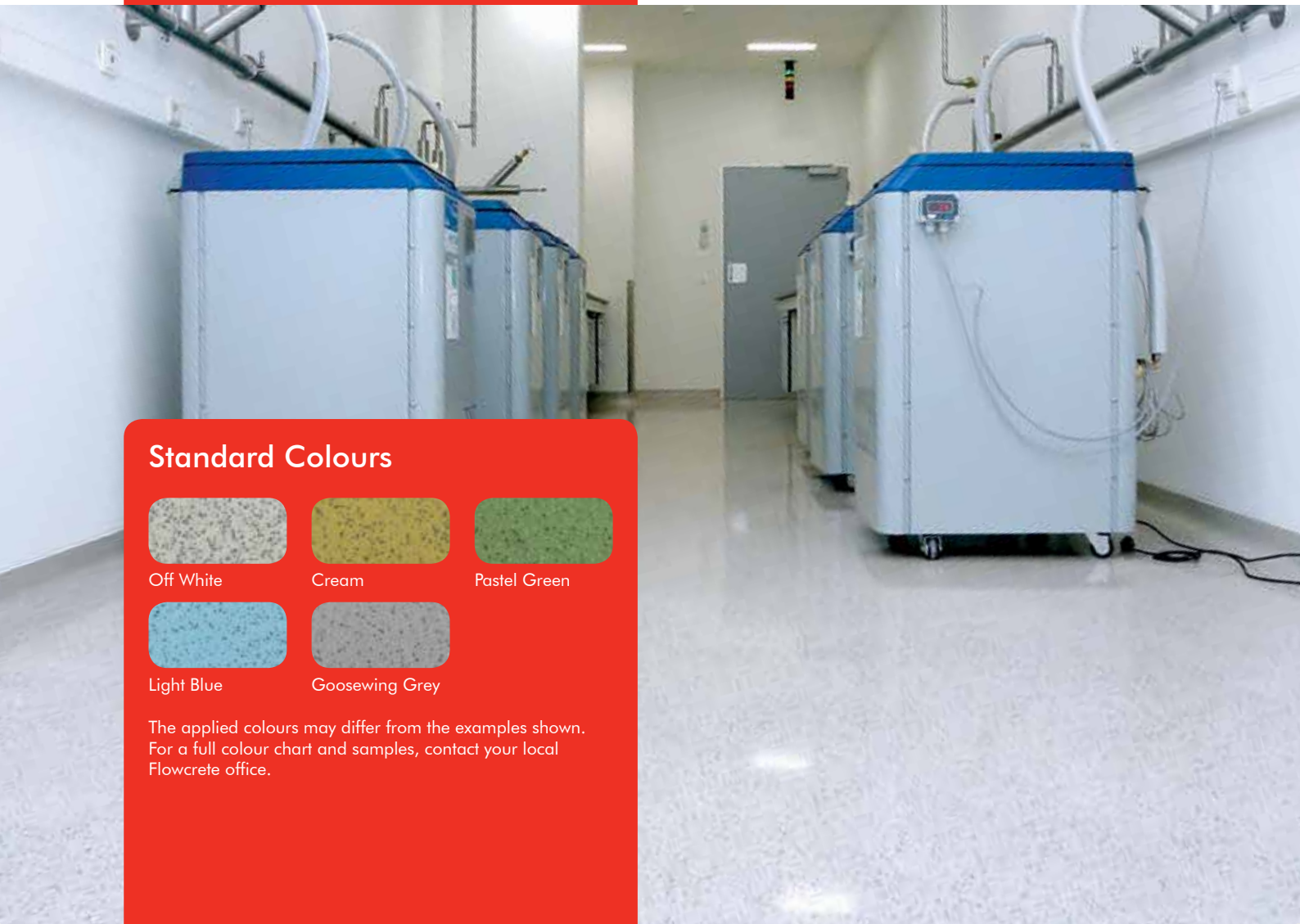


Light Blue



Goosewing Grey

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





Technical Profile

FIRE RESISTANCE

BS 476-7, Spread of flame Class 2

SLIP RESISTANCE

BS 7976-2 Dry 67 (typical values for 4-S rubber slider)

ABRASION RESISTANCE

Taber Abrader 90 mg loss per 1000 cycles (1 kg load using CS17 wheels)

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)

$1.0 \times 10^6 - 1.0 \times 10^9 \Omega$

BODY VOLTAGE GENERATION (CONDUCTIVE)

IEC 61340-4-5 and ANSI/ESD STM 97.1/97.2 <100 V

Flowshield ESD Conductive / Dissipative (thickness dependent on specification)

An antistatic, hard wearing, self-smoothing epoxy floor coating.

Complies with BS2050, ANSI/ESDS2020, ASTM F150 Conductive, IEC 61340-4-1 and IEC 61340-4-5 requirements.



Protects against static shock



Seamless and easy to clean



Impact, abrasion and chemical resistant

Standard Colours



Ivory



Yellow



Chilli Red



Steel Blue



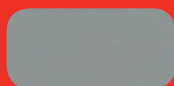
Mid Blue



Dark Green



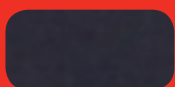
Light Grey



Steal Grey

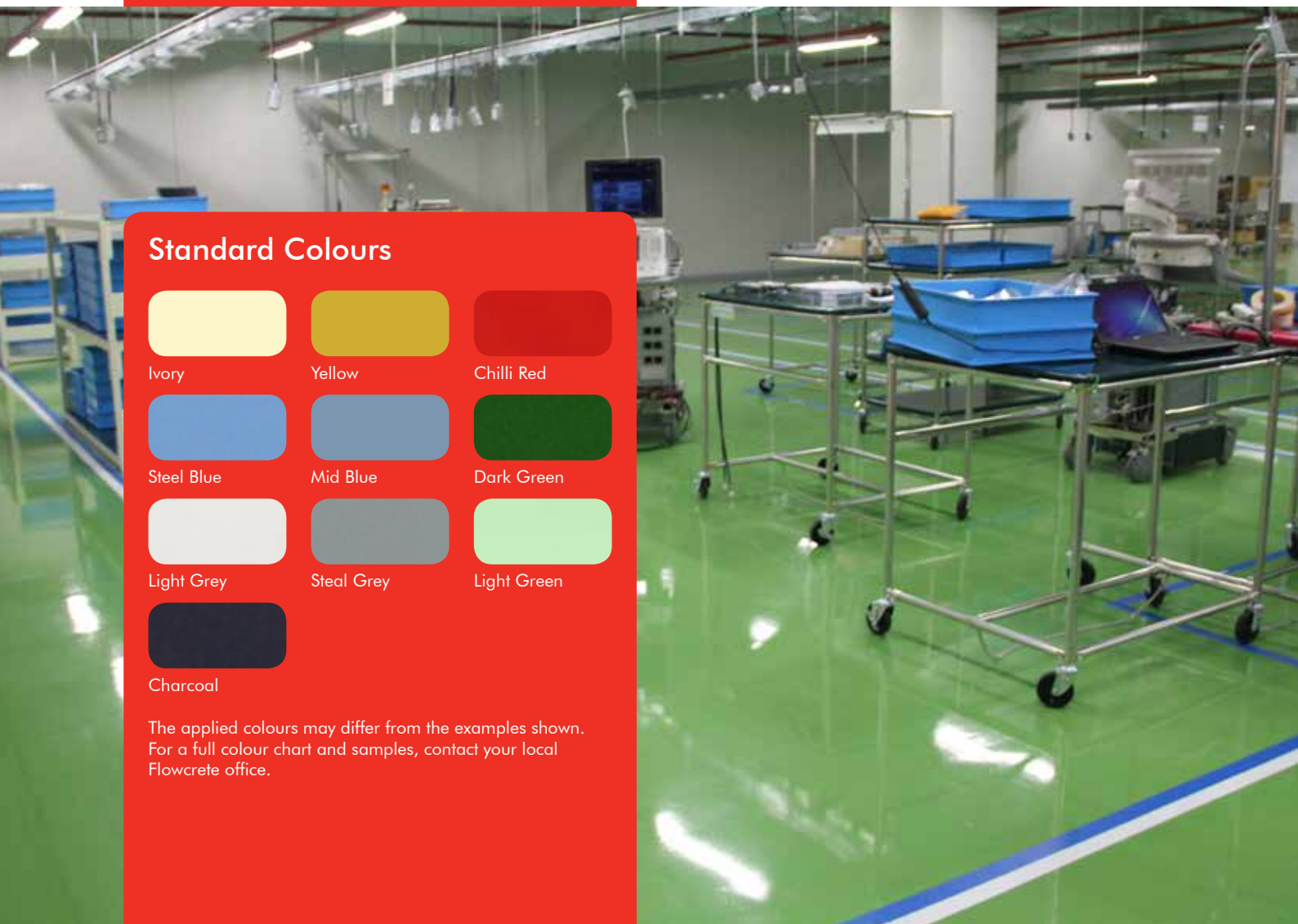


Light Green



Charcoal

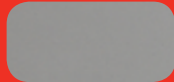
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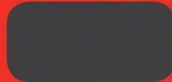
Standard Colours



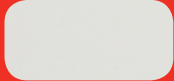
Green



Steel Grey



Charcoal



Light 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 >40, Wet depends on specification
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THERMAL RESISTANCE

Tolerant up to 165°C

FLEXURAL STRENGTH

ASTM D-790*	117–150 MPa
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TENSILE STRENGTH

ASTM D-638*	75–96 MPa
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VOLUME SHRINKAGE

ASTM D-2566*	7.5–9.8%
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BARCOL HARDNESS

ASTM D-2583	>30
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DENSITY

1.06 ± 0.02

*Ranges provided to cover results from the various resin types.

Flowchem VE GL (1–3.5 mm)

A roller or spray applied, vinyl ester, resin-based, fiberglass-reinforced lining system.

Provides excellent chemical and thermal resistance, protecting concrete and steel structures from various mechanical stresses.



Thermal resistance up to 165°C



Impressive chemical resistance



Rapid curing



Hard wearing and abrasion resistant



Standard Colours



Rich Cream



Warm Buff



Coral Red



Clay



Ash Grey



Signal Green



Pewter Grey



Blue

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



Technical Profile

FIRE RESISTANCE

BS 476-7, Spread of flame	Class 2
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SLIP RESISTANCE

TRRL Pendulum Slip Test	Dry >80 Wet >35
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THERMAL RESISTANCE

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

ABRASION RESISTANCE

Taber Abrader	90 mg loss per 1000 cycles (1 kg load using CS17 wheels)
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COMPRESSIVE STRENGTH

BS 6319	>60 N/mm ²
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FLEXURAL STRENGTH

BS 6319	>40 N/mm ²
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TENSILE STRENGTH

BS 6319	>10 N/mm ²
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Flowfresh HF & RT

(6-9 mm)



A durable, anti-slip, resistant antimicrobial polyurethane screed.

The polyurethane coatings contain Polygiene® to deliver impressive hygiene at ground level.



HACCP International certified



Antimicrobial to ISO 22196 standards



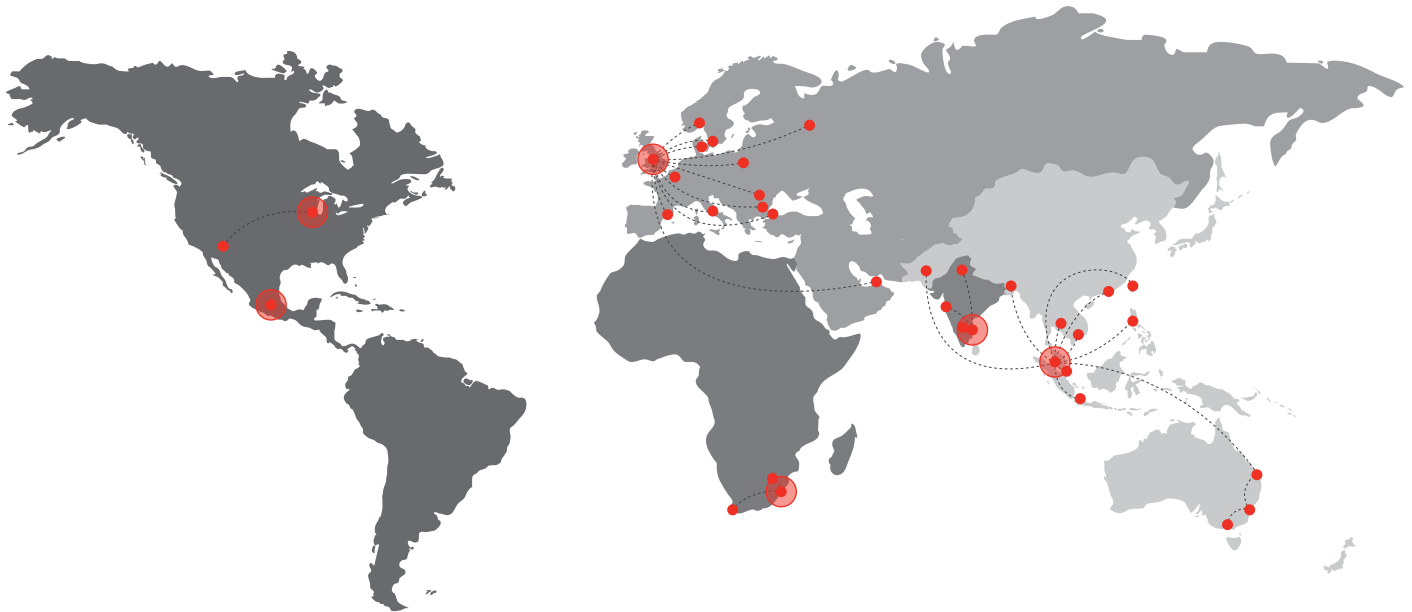
Slip resistant, textured profile



Freeze and thaw resistant



Resistant to chemical attack



Flowcrete

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

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