

## FLOWFAST

- ▶ A range of MMA acrylic floor coatings designed to offer a decorative and highly durable floor finish that is fully serviceable under a quick turnaround.

# Flowfast Technical Profile



Ready to use just two hours after application Flowcrete's speediest flooring solution delivers unrivalled installation and cure times as well as an eye-catching finish.

Available in a creative mix of colours and finishes, Flowfast is well-suited to the commercial sector, where it has been gaining speed at a number of airports, shopping centres, residential developments, underground rail stations, stadia buildings and arena complexes across the globe.

Offering chemical, wear and slip resistance, Flowfast is also a popular choice with the food processing, mechanical, chemical and electronic goods industries where it's seamless, durable finish offers an excellent platform for hygiene and heavy industry.

## Application Suitability



Retail & Boutiques



Education Facilities



Food & Beverage



Hotels & Leisure



Office Buildings



Hospitals & Healthcare

## Chemical Resistance

ACIDS		ALKALIS		ORGANIC		OTHER			
Acetic Acid 25%	✓	Caustic Soda	✓	Petroleum	✓	Crude Oil	✓	Vinegar	✓
Hydrochloric Acid 37%	✓	Potassium Hydroxide 50%	✓	Formaldehyde 37%	✓	Calcium Chloride	✓	Wine	✓
Lactic Acid 90%	✓	Lime Milk	✓	Diesel	✓	Bleach	✓	Beer	✓
Nitric Acid 10%	✓	Sodium Hydroxide 30%	✓	Kerosene	✓	Blood	✓	Ammonia	✓
Sulphuric Acid 50%	✓	Ammonia 10%	✓	White Spirit	✓	Hydrogen Peroxide 30%	✓	Mineral Oil	✓
Tartaric Acid 50%	✓	Aluminium Hydroxide	✓	Turpentine	✓	Sodium Chloride	✓	Antifreeze	✓

\*Third Party Test Certification available on request.

## System Products

PRODUCTS	DESCRIPTION	USES
<b>Flowfast Standard Primer</b>	A 2-component low viscosity MMA based primer for concrete and cementitious substrates.	Used for priming concrete, screeds and wood, prior to the installation of Deckshield Rapide or Flowfast resins.
<b>Flowfast Asphalt Primer</b>	A 2-component low viscosity MMA based primer for filled asphalt and bitumen substrates.	Used for priming asphalt or bitumen screeds prior to the installation of Flowfast resins.
<b>Flowfast Ceramic / Metal Primer</b>	A 2-component low viscosity MMA based primer for metal and ceramic tile substrates.	Used for priming metal and ceramic substrates prior to the of Deckshield Rapide or Flowfast resins. Not suitable for non-ferrous metals and Zinc.
<b>Flowfast Damp Primer</b>	A 2-component low viscosity MMA based primer designed for damp cementitious substrates.	Used for priming damp concrete and screeds prior to the installation of Deckshield Rapide or Flowfast resins.
<b>Flowfast Standard Binder</b>	A 2-component, clear, medium viscosity MMA based binder for Flowfast floor coatings.	Used as a binder, primarily in Flowfast systems with decorative aggregates and flakes.
<b>Flowfast SL Binder</b>	A 2-component, clear, medium viscosity MMA based binder with improved flow properties for self smoothing Flowfast floor coatings.	Used only as part of the Flowfast SL system.
<b>Flowfast Flexible Binder</b>	A 2-component, clear, medium viscosity MMA based elasticized binder for use with Flowfast floor coatings.	Used as a binder in the formulation of flexible membranes and coating systems that are to be exposed to sub zero temperatures.
<b>Flowfast Cove Mix</b>	A 2-component, clear, thixotropic MMA based binder for cove details.	Used with Flowfast resins containing quartz aggregates as a binder on cove details. Systems using Flowfast Cove Mix must always be treated with a Flowfast sealer.
<b>Flowfast Standard Seal</b>	A 2-component, UV-resistant, low viscosity MMA based sealer for Flowfast floor coatings.	Used as a general purpose sealer for smooth or lightly textured profiles, primarily in Flowfast systems with decorative aggregates and flakes.
<b>Flowfast Flexible Seal</b>	A 2-component, elastified, UV-resistant, low viscosity MMA based sealer for Flowfast floor coatings.	Used on elasticised Flowfast floor coatings or for outdoor applications.
<b>Flowfast Cleaner</b>	A clear liquid smoothing aid for the application of Flowfast mortar coatings.	Used to moisten the trowel during application of Flowfast mortar coatings. The product is also an excellent agent for cleaning application tools.
<b>Flowfast F1 Repair Mortar Cold Grade</b>	A 2-component, ready to use, repair mortar, based on MMA resin – designed for cementitious substrates that have a RH up to 97% (to BS 8204).	Used to repair damages, holes and imperfections in concrete substrates. Can be used in machine bases, joint arises, drill and bolt holes.

# Commercial Flowfast Quartz Systems

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## Classic

A hand trowelled fast track acrylic resin floor system that delivers a smooth satin finish.

Offering impressive durability, owing to its superior impact resistance, Flowfast Quartz Classic is ideally suited to use in busy commercial spaces subject to sustained foot traffic and daily cleaning and maintenance regimes, such as retail outlets, supermarkets and department stores as well as education and dry leisure facilities.



## Classic for Wet Areas

A hand trowelled fast track acrylic resin floor system with a textured satin finish.

Delivering a slip resistant finish alongside high chemical resistance, Flowfast Quartz Classic for Wet Areas is particularly ideal for use in busy leisure facilities with showers, changing rooms, kitchens, and canteens where floors are subject to high volumes of pedestrian traffic and regular cleaning and maintenance regimes.



## Structure

A textured "scatter and seal" finish with quartz aggregate broadcast across the floor before being sealed with a satin seal coat.

The textured finish of Flowfast Quartz Structure delivers superior slip resistance for safety underfoot. The seamless application provides an ideal flooring solution for commercial kitchens and canteens where the floor is subject to chemical spillages such as oils, sugars and aggressive cleaning agents.

# Industrial Flowfast Quartz Systems

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## Classic

A hand trowelled fast track acrylic resin floor system that delivers a smooth satin finish.

Offering impressive durability owing to its superior impact and chemical resistance, Flowfast Quartz Classic is ideally suited for use in industrial spaces subject to high volumes of pedestrian and vehicular traffic as well as chemical spillages, such as automotive environments and factory production areas.

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## Classic for Wet Areas

A hand trowelled fast track acrylic resin floor system with a textured satin finish.

Delivering a slip resistant finish alongside high chemical resistance, Flowfast Quartz Classic for Wet Areas is particularly ideal for industrial changing rooms and kitchens where floors are subject to heavy pedestrian traffic, water and aggressive cleaning agents from regular cleaning and maintenance regimes.

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## Structure

A textured “scatter and seal” finish with quartz aggregate broadcast across the floor before being sealed with a satin seal coat.

The textured finish of Flowfast Quartz Structure delivers superior slip resistance. A seamless application and high resistance properties makes this solution ideal for industrial kitchens and production areas where floors are subject to frequent cleaning regimes and chemical spillages.

## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 50°C

### ABRASION RESISTANCE

BS8204-2

Class AR2

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### BOND STRENGTH

> 1.5 MPa\*

### IMPACT RESISTANCE

ISO6272 (1 kg)

> 1.8 m

ISO6272 (2 kg)

> 1.5 m

### SPEED OF CURE (PER LAYER)

Full Traffic & Chemical Cure

1 Hour

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

## Flowfast Terrosso (3 mm)

A seamless, decorative, durable MMA floor finish that delivers a fast track transformation for commercial and industrial environments.

Comprising a blend of flakes in a choice of swatches, Flowfast Terrosso offers extensive design potential with an attractive finish.



Rapid installation and cure times



Seamless hygienic finish



Hard wearing and abrasion resistant

## Standard Colours



Dali



Van Gogh



Picasso



Klimt



Renoir



Matisse

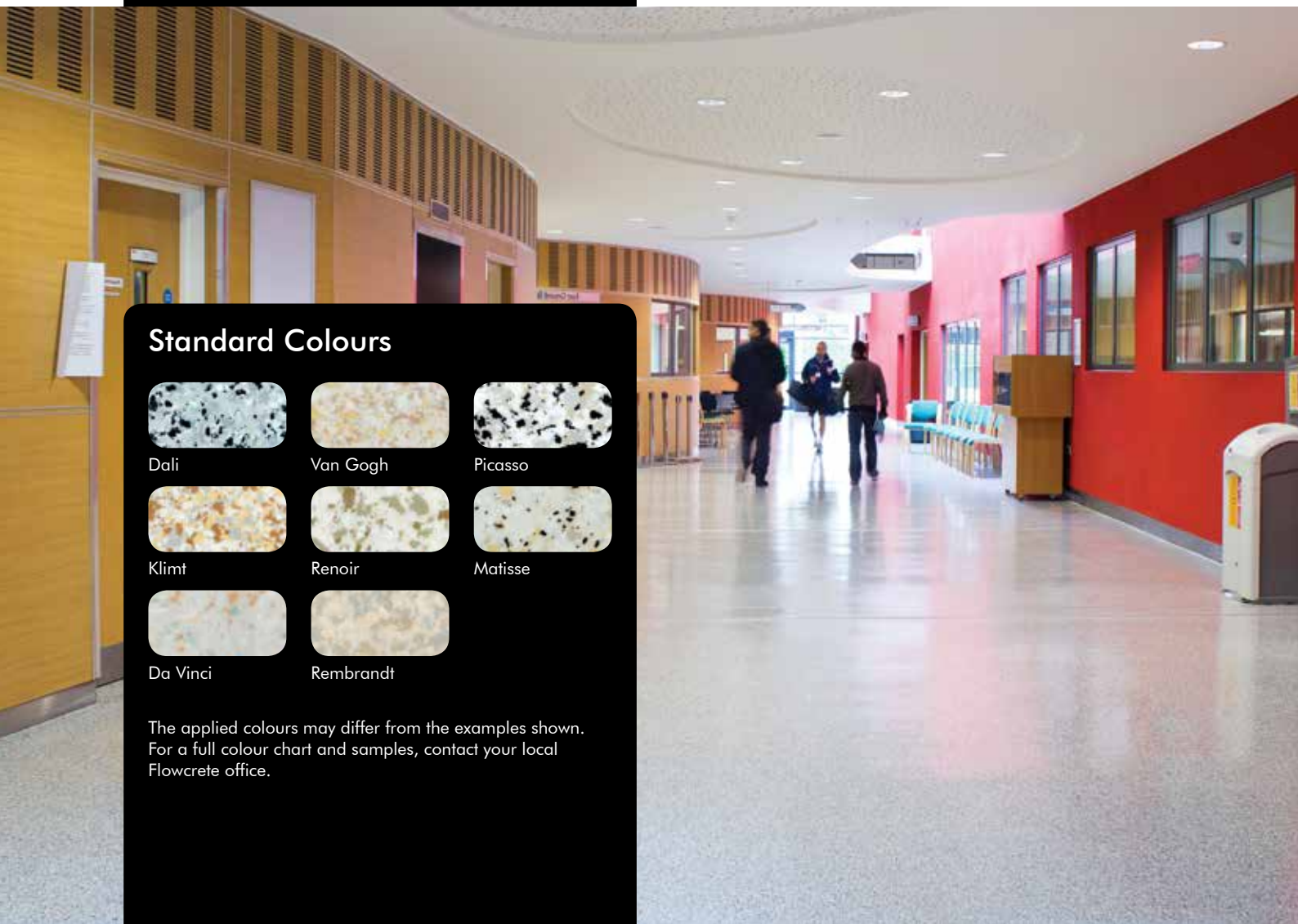


Da Vinci



Rembrandt

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



## Standard Colours



Cream 7700



Green 7300



Yellow 7400



Grey 7120



Grey 7600



Red 7500



Blue 7750



Grey 7770

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

### ABRASION RESISTANCE

BS8204-2

Class AR1

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### SLIP RESISTANCE

BS 7976-2

(Pendulum Slip Test)

Dry 80

Wet 60

### IMPACT RESISTANCE

ISO6272 (1 kg)

ISO6272 (2 kg)

> 1.8 m

> 1.5 m

### SPEED OF CURE (PER LAYER)

Full Traffic & Chemical Cure

1 Hour

## Flowfast Quartz Scatter

(3 mm)

A hard-wearing, decorative, fast curing MMA resin floor topping made up of colour stable quartz granules in a clear resin binder.

Ideal for use in both commercial and industrial environments, Flowfast Quartz Scatter will stand up to any area of heavy traffic.



Rapid installation and cure times



Traffic, impact and chemical resistance



Attractive, decorative finish

## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 70°C

### ABRASION RESISTANCE

BS8204-2

Class AR1

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### CHEMICAL RESISTANCE

Good resistance to tea, coffee, cola, soaps and bleach

### COMPRESSIVE STRENGTH

BS6319

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

### IMPACT RESISTANCE

ISO6272 (1 kg)

> 1.8 m

ISO6272 (2 kg)

> 1.5 m

### SPEED OF CURE (PER LAYER)

Full Traffic & Chemical Cure

1 Hour

## Flowfast Quartz (4 mm)

Flowfast Quartz is a hard wearing, decorative resin floor topping made up of colour stable quartz granules encapsulated in a clear resin binder.

Flowfast Quartz has been developed to enable very fast track applications, typically 90 minutes installation time to receive full traffic, therefore dramatically reducing down time.



Rapid installation and cure times

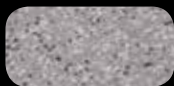


Flexible application on various substrates



Seamless hygienic finish

## Standard Colours



Dark Grey



Mid Grey



Light Grey



Light Blue



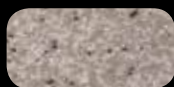
Green



Red

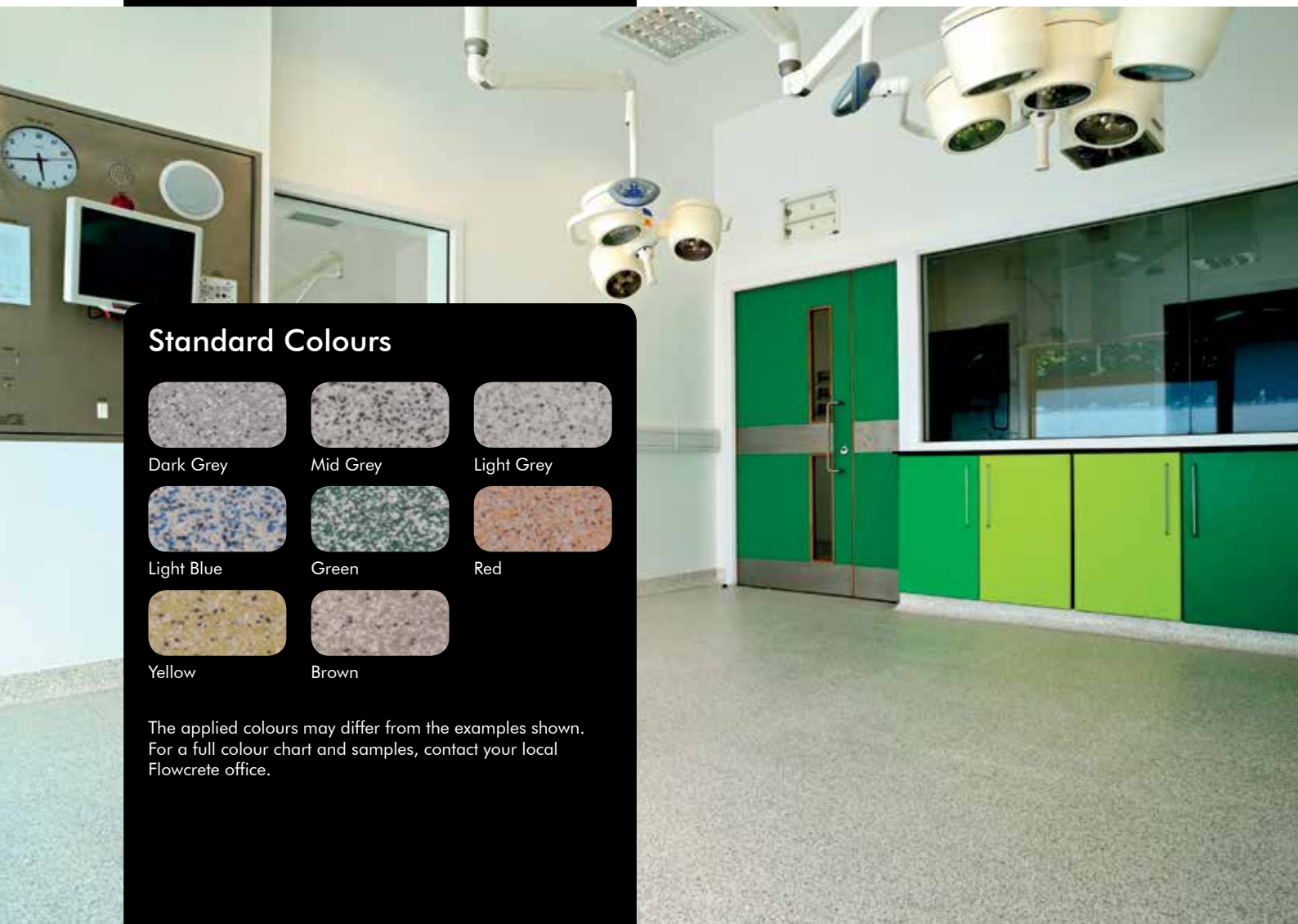


Yellow



Brown

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





## Standard Colours



Signal Yellow



Sky Blue



Forest Green



Tile Red



Goosewing 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

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 50°C

### FIRE RESISTANCE

BS 476-7

L.U.L. Section 12

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### SLIP RESISTANCE

BS 7976-2

Dry >40  
Low slip potential

### COMPRESSIVE STRENGTH

BS 6319

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

### SPEED OF CURE: 0-30°C

Light Traffic

1 Hour

Full Traffic & Chemical Cure

2-3 Hours

## Flowfast Rapid Transit SR

(5 mm)

A fast track and fire resistant acrylic resin based flooring system that contains natural quartz aggregates, ideal for areas with heavy foot traffic.

Flowfast Rapid Transit SR offers a joint-free and positively textured coloured floor finish with exceptional chemical, wear and slip resistance.



Rapid installation and cure times



Fire resistant



Excellent resistance to UV light

# Flowfast Industrial (5 mm)

A hard wearing, chemical resistant and fast cure MMA flooring system with a matte coloured finish.

Flowfast Industrial is a durable and slip resistant flooring system that delivers a fully trafficable surface just 60 minutes from application.



### Fast Cure:

Accelerates cure time, providing a fully operational surface in just 60 minutes.



### Slip and Chemical Resistant:

Positively textured profile to minimise slip risks & protect against acids, oils & fats



### Durable:

Offers excellent strength, providing a heavy duty, robust floor finish.



### UV Resistant:

Exhibits UV colour stability over time and will not become brittle with age.

## Standard Colours



Beige



Khaki



Brick Red



Green



Light Gray



Medium Gray



Dark Gray



True Gray



White



Black



Blue



Traffic Red

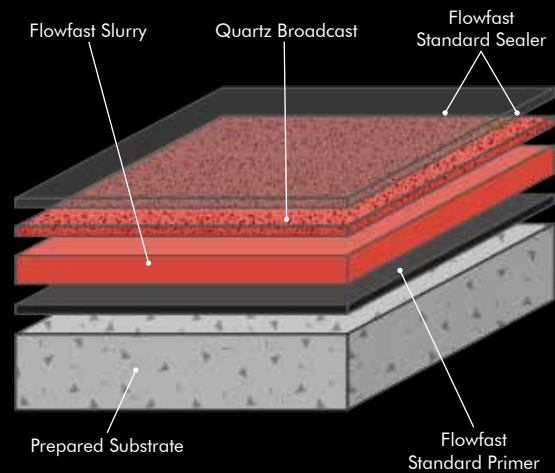


Traffic Yellow

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

## Technical Profile

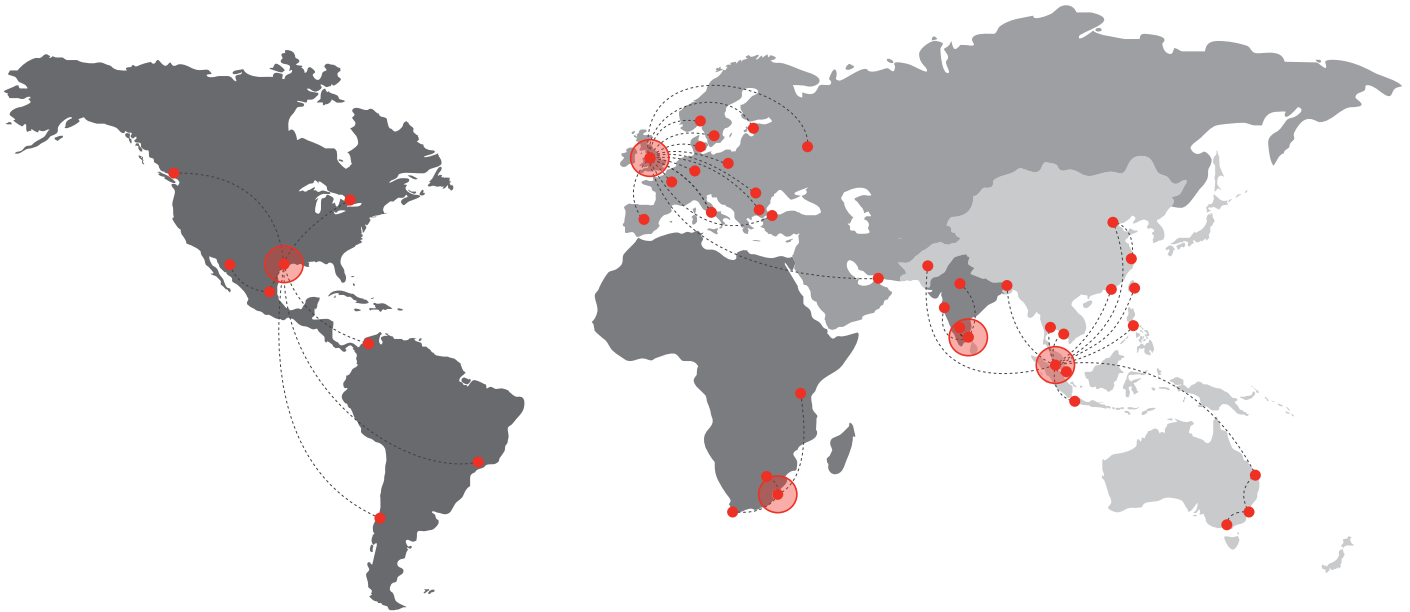
SLIP RESISTANCE	
BS 7976-2	Dry 80 Wet 60
IMPACT RESISTANCE	
ISO6272 (1 kg) ISO6272 (2 kg)	> 1.8 m > 1.5 m
COMPRESSIVE STRENGTH	
BS6319	60 N/mm <sup>2</sup>
BOND STRENGTH	
1.5 MPa	
FIRE RESISTANCE	
EN 13501-1	B <sub>FL</sub> -s1
FLEXURAL STRENGTH	
BS6319	20 N/mm <sup>2</sup>
ABRASION RESISTANCE	
ASTM D 4060 CS17 wheels, 1000 cycles	0.080g loss
TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 70°C	
VOC	
<50 g/l	
SPEED OF CURE (PER LAYER) 0-30°C	
Light Traffic	1 Hour
Full Traffic & Chemical Cure	2-3 Hours



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

\*\* 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.





## Flowcrete

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

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