



## 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 Range 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



Education



Food & Beverage



Leisure



Offices



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.

# FAQs Flowfast MMA Flooring

## What is Methyl Methacrylate (MMA) Flooring?

Methyl Methacrylate derives from the petrochemical industry and is used in an assortment of applications including bone surgeries, dentistry, road marking and Plexiglas manufacture as well as flooring. MMA flooring is 100% non-porous and monolithic creating an impervious, pinhole free surface offering a high level of protection against chemical attack and an inherently hygienic surface.

## What are the benefits of MMA Flooring?

MMA flooring offers rapid installation and cure times, incredible bond strength and high compressive strengths as well as a wide installation temperature range. The greatest advantage of MMA flooring over epoxy or cementitious urethane alternatives is the material's speed of installation

and cure. This minimizes any downtime or operational loss to the client, which can often be a costly exercise. The longevity of MMA floors results from deep penetrating primers that create a strong chemical and mechanical bond to the substrate - MMA installations last in excess of 15 years with the correct care regime.

## Where can MMA Flooring be installed?

MMA flooring can be installed on a host of substrates including concrete, steel, tiles, other resin materials and marine ply. MMA flooring can be installed within a wide temperature range and in conditions as low as -20°F, which makes it an ideal choice for unheated construction sites or supermarkets using back-of-house cold stores, coolers and blast freezers to store food produce.

## Comparison of Reactive Systems

FEATURES / BENEFITS	MMA	EPOXY	PU
Cure Time (Full Cure)	2 Hours	12 Hours (7 Days)	6 Hours (7 Days)
Variable Cure Time	Yes	No	No
Cure Temp °C	-20	5 (Minimum)	5 (Minimum)
Speed of Installation	1 Day	3 Days	2 Days
Life Expectancy	10+ Years	10+ Years	10 Years
Finish	Matt	Gloss	Matt
Bond Strength	Excellent	Good	Good
Slip Resistance	Variable	Variable	No
Inter Coat Fusion	Yes	No	No
Chemical Resistance	Good	Good	Excellent
Shrinkage Free	Yes	Yes	No
UV Resistance	Yes	No	No
Bacterial Resistance	Yes	Needs Additive	Need Additive
Cleanability	Excellent	Good	Good
Service Temp °C	70	50	120
Maintenance Repairs	Excellent	Good	Poor
Compressive Strength	60N/mm <sup>2</sup>	> 40N/mm <sup>2</sup>	> 50N/mm <sup>2</sup>
Flexural Strength	20N/mm <sup>2</sup>	15N/mm <sup>2</sup>	20N/mm <sup>2</sup>
Tensile Strength	15N/mm <sup>2</sup>	10N/mm <sup>2</sup>	12N/mm <sup>2</sup>
Abrasion Resistance	Class AR1	Class AR2	Class AR2

# Flowfast Quartz Scatter

A decorative, slip resistant MMA resin floor finish made up of coloured quartz granules encapsulated in a clear resin binder.

A hard wearing solution ideal for use in commercial and industrial settings.



## Fast Cure:

Fully trafficable just 2 hours after installation due to MMA formulation.



## Attractive:

A decorative, speckled floor finish that is available in a range of colours.



## Slip Resistant:

Textured finish provides a safe environment for visitors.



## Minimises Visible Scratches:

Coloured quartz finish disguises visible surface scratches.



## Hard-Wearing:

Hard-wearing & abrasion resistant suitable for medium to heavy traffic.



Light Grey



Mid Grey



Dark Grey



Brown



Yellow



Red



Light Blue



Green

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\*\*

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

Dry > 40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)

### THERMAL RESISTANCE

Tolerant of sustained temperatures up to 70°C

### WATER PERMEABILITY

Nil – Karsten test (impermeable)

### ABRASION RESISTANCE

BS8204:Part 2:2002

Class AR2 - Medium duty industrial and commercial

### CHEMICAL RESISTANCE

Contact Technical Department

### COMPRESSIVE STRENGTH

EN 13892-2

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

### FLEXURAL STRENGTH

EN 13892-2

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

### TENSILE STRENGTH

BS6319

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

### BOND STRENGTH

Greater than cohesive strength of 25 N/mm<sup>2</sup> concrete. > 1.5 MPa

### IMPACT RESISTANCE

EN ISO 6272

10 Nm

### SPEED OF CURE

Light Traffic

1 h

Full Traffic

2 - 3 h

Cure at ambient temperatures in the range 0°C to 30°C can be achieved by altering the quantity of catalyst used. For applications below 0°C, please consult our Technical Department.

\* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

\*\*The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.



# Flowfast Terrosso

A seamless, decorative MMA floor finish, developed for high traffic commercial and industrial environments.

Ideal for use in commercial setting such as schools, canteens, corridors, and hospitals.



## Attractive:

A decorative, flaked floor finish that is available in a range of colours.



## Fast Cure:

Fully trafficable just 2 hours after installation due to MMA formulation.



## Easy to Clean:

The seamless finish allows the system to be easily cleaned.



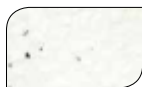
## Minimises Visible Scratches:

Speckled flake finish disguises visible surface scratches.



## Hard-Wearing:

Hard-wearing & abrasion resistant suitable for medium to heavy traffic.



Freckle



Moonlite



Oyster



Grey Granite



Frosty



Glacier



Storm



Black Granite

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

EN 13501-1

C<sub>fl</sub> - s1

### SLIP RESISTANCE\*\*

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

Dry > 40, Wet depends on  
specification (in accordance with  
HSE and UKSRG guidelines)

### THERMAL RESISTANCE

Tolerant of sustained temperatures up to 50°C

### WATER PERMEABILITY

Nil – Karsten test (impermeable)

### ABRASION RESISTANCE

BS8204:Part 2:2002

Class AR2 - Medium duty  
industrial and commercial

### CHEMICAL RESISTANCE

Contact Technical Department

### BOND STRENGTH

Greater than cohesive strength of 25 N/mm<sup>2</sup> concrete. > 1.5 MPa

### IMPACT RESISTANCE

EN ISO 6272

10 Nm

### SPEED OF CURE

Light Traffic

1h

Full Traffic

2 - 3h

Cure at ambient temperatures in the range 0°C to 30°C can be achieved by altering the quantity of catalyst used. For applications below 0°C, please consult our Technical Department.

\* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

\*\*The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.



# System Components



PRODUCT	DESCRIPTION	USES
<b>Flowfast Damp Primer (20 kg)</b>	Methylmetha Acrylate(MMA) Primer for Damp Substrate	MMA primer prior to application of MMA system on damp substrate.
<b>Flowfast Ceramic/ Metal Primer (20 kg)</b>	Methylmetha Acrylate(MMA) Primer for Metal and Ceramic substrate	MMA resin primer prior to application of MMA system on Ceramic or metal substrate.
<b>Flowfast Asphalt Primer (20 kg)</b>	Methylmetha Acrylate(MMA) Primer for Asphalt Substrate	MMA resin primer prior to application of MMA resin system on Asphalt substrate.
<b>Flowfast Standard Primer (20 kg)</b>	Methylmetha Acrylate(MMA) primer for Concrete Substrate	MMA resin primer prior to application of MMA resin system on concrete substrate.
<b>Flowfast Coating (5 kg)</b>	Methylmetha Acrylate(MMA) resin floor coating, developed for light to medium traffic environments.	Ideal for corridors, walkways, store rooms, laundry rooms, workshops, packaging areas where time for floor repairing/resurfacing is limited
<b>Flowfast SL (2-3MM) (20 kg)</b>	Self smoothing Methylmetha Acrylate(MMA) resin floor topping (Satin/matt coloured)	Ideal for use in dry process areas where the floor is subject to impact and medium/heavy duty traffic
<b>Flowfast Quartz (4mm) (20 kg)</b>	Decorative Methylmetha Acrylate(MMA) resin floor finish (colour stable quartz granules encapsulated in a clear resin binder)	A hard wearing solution ideal for use in commercial and industrial settings
<b>Flowfast Quartz Scatter (3mm) (20 kg)</b>	Methylmetha Acrylate(MMA) resin floor finish (coloured quartz granules encapsulated in a clear resin binder)	Ideal for use in areas subject to heavy traffic, impact and chemical spills (where time for floor repairing is very limited)
<b>Flowfast Terrazzo (4mm) (20 kg)</b>	Decorative hard wearing Methylmetha Acrylate(MMA) resin floor finish	Ideal for use in high traffic retail and industrial environments (where time for floor repairing is very limited)
<b>Flowfast Kristalina (4mm) (20 kg)</b>	Decorative, Smooth sparkling Methylmetha Acrylate(MMA) resin floor finish	Ideal for use in all commercial settings (where time for floor repairing is very limited)



- Tremco Construction Products Group (CPG) India is a market leader in the manufacture of Construction Chemical products including seamless industrial and commercial resin flooring solution, waterproofing systems, roofing with insulation, systems for joints & durable sealants, admixtures, repair solution, fibres as well as other specialist construction products & coatings.
- Tremco CPG India belongs to an wider global Tremco Construction Products Group company (an RPM Inc. division) headquartered in Cleveland, Ohio (USA).
- Tremco Construction Products group is a powerful union of some of the world's most trusted & leading chemical and coatings technology brands owned by RPM Inc.



## **Tremco CPG (India) Private Limited**

(formerly known as "Flowcrete India Private Limited")

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