

Flowcrete
for the world at your feet

FLOWFAST

A range of ultra fast curing decorative and hard-wearing methyl methacrylate resin floor coatings for industrial and commercial environments.

Part of
TREMCO
Construction Products Group

www.flowcreteaustralia.com.au

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



Public Spaces



Industrial



Offices



Healthcare



Transport

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%	✓	Aluminum Hydroxide	✓	Turpentine	✓	Sodium Chloride	✓	Antifreeze	✓

*Third Party Test Certification available on request.







System Components

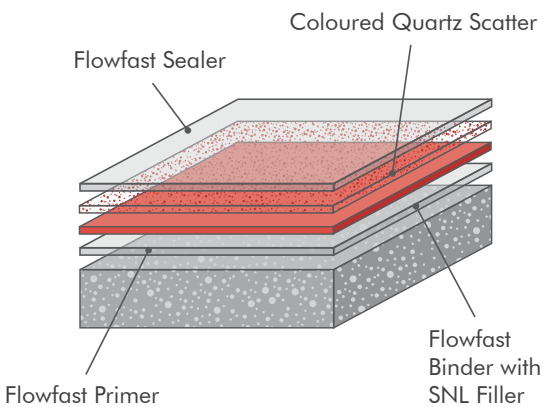
	DESCRIPTION	USES
Flowfast Primer	A low viscosity MMA based primer for concrete and cementitious substrates.	Used for priming concrete, screeds, steel and wood, prior to the installation of Deckshield Rapide or Flowfast resins.
Flowfast Binder / Flexible Binder	A clear, medium viscosity MMA based binder for Flowfast floor coatings available in standard and flexible formulations.	Used as a binder, primarily in Deckshield Rapide and Flowfast systems with decorative aggregates and flakes.
Flowfast Sealer / Flexible Sealer	A UV-resistant, low viscosity MMA based sealer for Flowfast floor coatings available in standard and flexible formulations.	Used as a general purpose sealer for smooth or textured profiles, primarily in Deckshield Rapide and Flowfast systems with decorative aggregates and flakes.
Flowfast Catalyst	A curing agent for Flowfast and Deckshield Rapide floor coatings.	For mixing with Flowfast and Deckshield Rapide resins to initiate polymerisation (cure).

Flowfast SRQ 2-3mm

Flowfast SRQ is a hard wearing, decorative, fast curing, methyl methacrylate MMA resin floor topping made up of colour stable quartz granules encapsulated in a clear resin binder.

Flowfast SRQ has been developed to enable very fast track applications, therefore dramatically reducing down time.

- 
Rapid Curing: MMA additives speed up cure time, reducing construction schedules.
- 
UV Resistant: UV resistant technology stands up to harsh rays.
- 
Versatile: Can be laid over existing hard surfaces such as tiles or terrazzo.
- 
Resistant: Holds its own against impact, traffic and chemical attack.



Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1	
CHF Value	2.9 kW/m ²
Smoke Value	26% (Mean)
SLIP RESISTANCE	
Method described in AS4586-2013	P5 (Based on nominal 1mm sized Quartz Sand Aggregate)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 70°C	
WATER PERMEABILITY	
Karsten Test	Nil (impermeable)
CHEMICAL RESISTANCE	
Contact Technical Department	
ABRASION RESISTANCE	
BS8204:Part 2:2002	Class AR2 - Medium duty industrial and commercial
COMPRESSIVE STRENGTH	
EN 13892-2	60 N/mm ²
FLEXURAL STRENGTH	
EN 13892-2	20 N/mm ²
TENSILE STRENGTH	
BS6319	15 N/mm ²
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
BOND STRENGTH	
ASTM D4541 (Pull-Off Test)	> 1.5MPa
VOC CONTENT	
ASTM D2369-10: 2015	< 140 g/L





SPEED OF CURE*	TOP COAT
Walk On	1 hr
Full Traffic & Chemical Cure	2 - 3 hrs

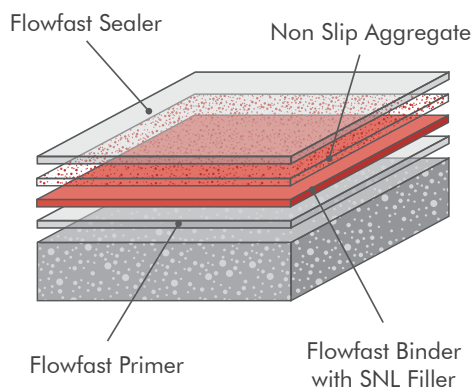
*The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) — please contact our Technical Advisors for further details.
 **Assume concrete or substrate is a minimum of 25 N/mm² and specifications.
 ***For full speed of cure details, contact our Technical Advisors - 1 hour Walk On, 2-3 hours Full Traffic & Chemical Cure.

Flowfast SR 2-3mm

Flowfast SR is a hard wearing, protective, non-slip, fast-curing MMA coloured resin-based flooring system which provides a textured profile underfoot.

Flowfast SR is ready to receive traffic in just one hour, minimising disturbance to industrial environments and while offering a durable finish that withstands chemical attack, impact and heavy traffic.

- 
Rapid Curing: MMA additives speed up cure time, reducing construction schedules.
- 
UV Resistant: UV resistant technology stands up to harsh rays.
- 
Versatile: Can be laid over existing hard surfaces such as tiles or terrazzo.
- 
Resistant: Holds its own against impact, traffic and chemical attack.



Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1	
CHF Value	2.9 kW/m ²
Smoke Value	26% (Mean)
SLIP RESISTANCE	
Method described in AS4586-2013	P5 (Based on nominal 1mm sized Quartz Sand Aggregate)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperatures up to 70°C	
WATER PERMEABILITY	
Karsten Test	Nil (impermeable)
CHEMICAL RESISTANCE	
Contact Technical Department	
ABRASION RESISTANCE	
BS8204:Part 2:2002	Class AR2 - Medium duty industrial and commercial
COMPRESSIVE STRENGTH	
EN 13892-2	60 N/mm ²
FLEXURAL STRENGTH	
EN 13892-2	20 N/mm ²
TENSILE STRENGTH	
BS6319	15 N/mm ²
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
BOND STRENGTH	
ASTM D4541 (Pull-Off Test)	> 1.5MPa
VOC CONTENT	
ASTM D2369-10: 2015	< 140 g/L

SPEED OF CURE*	TOP COAT
Walk On	1 hr
Full Traffic & Chemical Cure	2 - 3 hrs

*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.

**Assume concrete or substrate is a minimum of 25 N/mm² and specifications.

***For full speed of cure details, contact our Technical Advisors - 1 hour Walk On, 2-3 hours Full Traffic & Chemical Cure.

Flowfast Terrosso

Flowfast Terrosso is a seamless, hard-wearing, rapid curing, decorative, MMA floor finish that transforms commercial and industrial environments.

Flowfast Terrosso has been developed to enable very fast track applications, therefore dramatically reducing programme times as well as client down time.



Rapid Curing:

MMA additives speed up cure time, reducing construction schedules.



Flexible Design:

Offers extensive design potential to deliver the wow-factor underfoot.



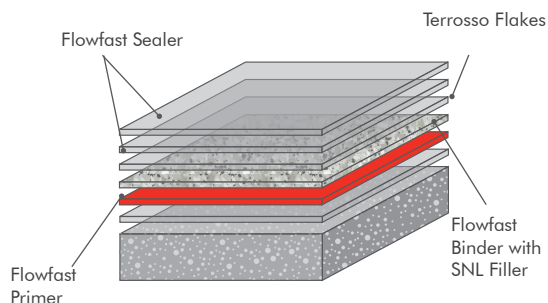
Versatile:

Can be laid over existing hard surfaces such as tiles or terrazzo.



Resistant:

Holds its own against impact, traffic and chemical attack.



System diagram shown for Flowfast Terrosso (3 mm Non Slip) shown. For full technical information, contact your local Technical Department.



Technical Profile: Flowfast Terrosso

	2-3 mm	2-3 mm
	Smooth	Light Non-Slip
FIRE RESISTANCE AS/ISO 9239.1	CHF Value: 3.6 kW/m ² Smoke Value: 13% min (Mean)	CHF Value: 3.6 kW/m ² Smoke Value: 13% min (Mean)
SLIP RESISTANCE* Method described in AS4586-2013	P1	P4 (Based on 46 mesh White Aluminium Oxide)
TEMPERATURE RESISTANCE*	Tolerant of sustained temperatures up to 50°C	Tolerant of sustained temperatures up to 50°C
WATER PERMEABILITY Karsten Test	Nil	Nil
CHEMICAL RESISTANCE	Contact Technical Department	Contact Technical Department
IMPACT RESISTANCE ISO 6272	10 Nm	10 Nm
COMPRESSIVE STRENGTH EN 13892-2	60 Nm ²	60 Nm ²
FLEXURAL STRENGTH EN 13892-2	20 Nm ²	20 Nm ²
ABRASION RESISTANCE BS 8204-2	Class AR2	Class AR2
BOND STRENGTH** ASTM D4541 (Pull-Off Test)	>1.5 MPa**	>1.5 MPa**
VOC CONTENT ASTM D2369-10:2015	<140g/L	<140g/L
SPEED OF CURE*** Full Chemical Cure at 20°C	1 hour	1 hour

*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.

**Assume concrete or substrate is a minimum of 25 N/mm² and specifications.

***For full speed of cure details, contact our Technical Advisors - 1 hour Walk On, 2-3 hours Full Traffic & Chemical Cure.

Part of



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