

Flowcrete

for the world at your feet



FLOWFAST

Fast Cure MMA Flooring Solutions:

- ✓ Retail Stores
- ✓ Education & Offices
- ✓ Leisure Venues
- ✓ Food & Beverage
- ✓ Healthcare
- ✓ Automotive



www.flowcreteamerica.com

Welcome to Flowcrete Americas

Flowcrete is a world leader in the manufacture of seamless resin flooring systems for application in both industrial and commercial environments.

Flowcrete Americas has a fresh approach to flooring and is constantly looking to introduce world-class systems, which offer clients a number of performance advantages while at the same time make floors much more than a surface to walk on.

Flowcrete Americas is dedicated to innovating sustainable flooring materials and using the earth's natural resources responsibly across all operations to ensure a more positive impact on the construction industry and a greener world at our feet.

The company's headquarters in Texas serves expanding business opportunities across the continent including the USA, Canada, Latin America and the Caribbean. With key clients including Coca Cola, L'Oréal, Cargill, Nestlé, NASA, GE and Southwest Airlines, Flowcrete Americas continues to develop a significant presence in the Americas' polymer flooring market.

Introduction to the Flowfast Range



Using methyl methacrylate (MMA) technology, Flowfast floor solutions are fully operational just 60 minutes after application, delivering unrivalled installation and cure times as well as an eye-catching finish.

Available in a creative mix of colors and finishes as well as offering complete flexibility of design, with the capability to create custom patterns and colors for a totally personalized solution, Flowfast can be used in a range of commercial settings.

What's more, offering excellent chemical, wear and slip resistance, Flowfast is also suited to the food processing, mechanical, chemical and electronic goods industries where its seamless, durable finish stands up to the service conditions of these demanding areas.

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.

Flowfast Application Suitability



Retail & Grocery Stores



Education & Offices



Leisure Venues



Food & Beverage



Healthcare Environments



Automotive Plants

Resistance Chart*

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	✓

*A chemical resistance chart is available on request.

Flowfast Flakes (120 mils)

An eye-catching, wear resistant and fast cure MMA flooring system with a decorative flake finish.

Flowfast Flakes consists of vibrant vinyl flakes in clear resin and delivers a fully trafficable surface just 60 minutes from application.



Fast Cure:

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



Decorative:

Available in vibrant flake color mixes that can be matched to neighboring interiors.



Wear Resistant:

Excellent scratch and wear resistance to foot and rubber-wheeled cart traffic.



Stain Resistant:

Protects against spillages and is not susceptible to staining or discoloration.



UV Resistant:

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

Standard Colors:



Domino



Cobblestone



Quicksilver



Scarlet



Desert Tan



Ice Blue



Green Bay



Midnight

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

Technical Profile

SLIP RESISTANCE:(WITH ALUMINIUM OXIDE)

BS 7976-2

Dry: 63
Wet: 56

IMPACT RESISTANCE:

ISO 6272

2.2 lb weight > 70 in
4.4 lb weight > 59 in

COMPRESSIVE STRENGTH:

ASTM C 579

11,600 psi

BOND STRENGTH:

Greater than cohesive strength of 3,000 psi concrete,
> 220 psi

TENSILE STRENGTH:

ASTM C 307

2,900 psi

FLEXURAL STRENGTH:

ASTM C 580

4,350 psi

ABRASION RESISTANCE:

ASTM D 4060
CS 17 Wheel, 1000 cycles

0.085g loss

TEMPERATURE RESISTANCE:

Continuous Exposure:

Up to 160°F

VOC:

<50 g/l

COEFFICIENT OF FRICTION:

ASTM D 2047

Exceeds ADA
recommendations

SPEED OF CURE:

32°F

70°F

90°F

Light Traffic

60 mins

45 mins

45 mins

Full Traffic

90 mins

60 mins

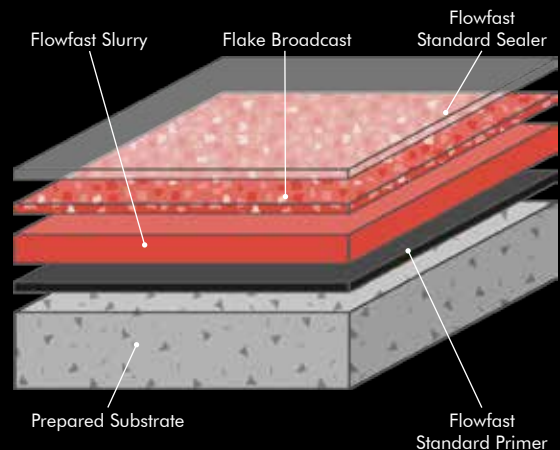
60 mins

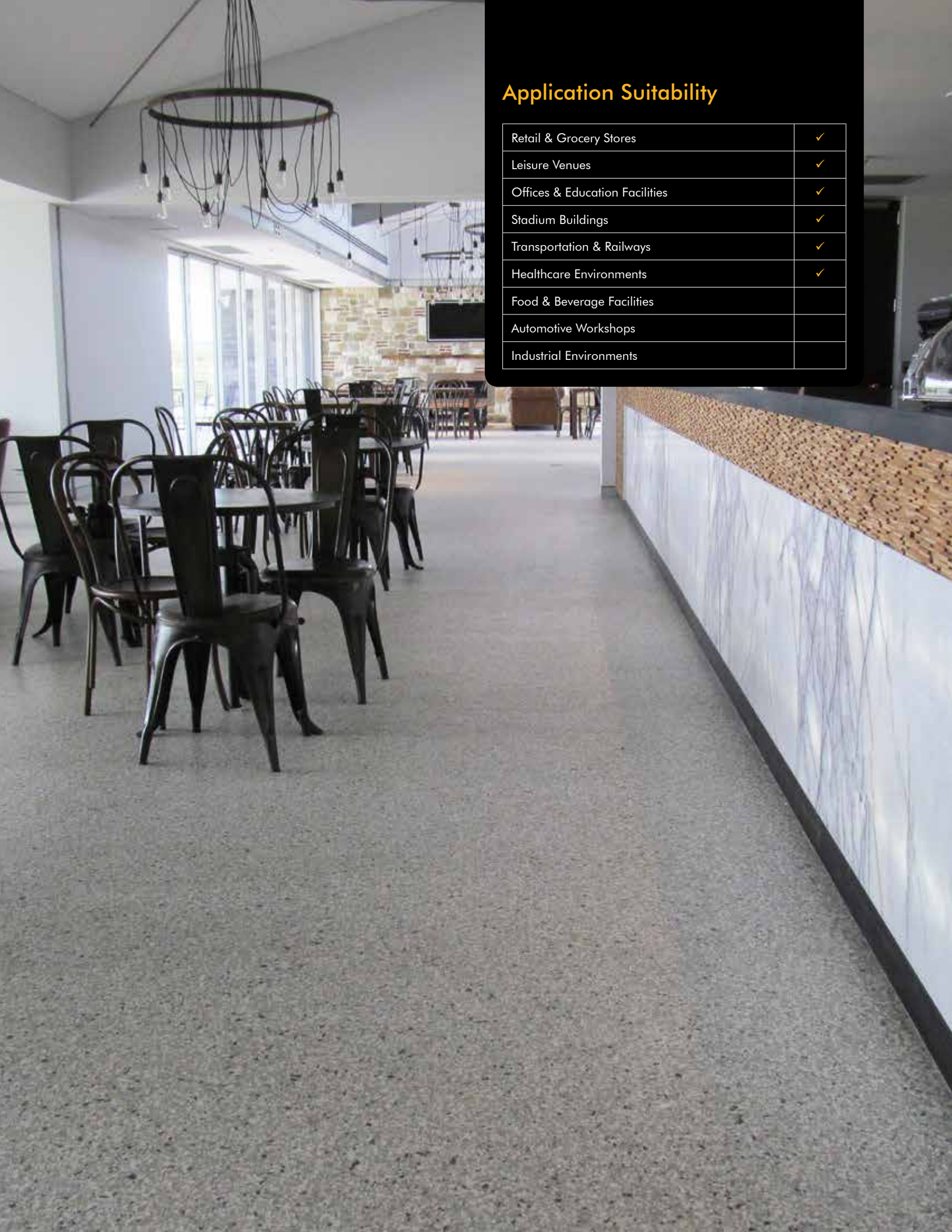
Full Chemical Cure

120 mins

90 mins

90 mins



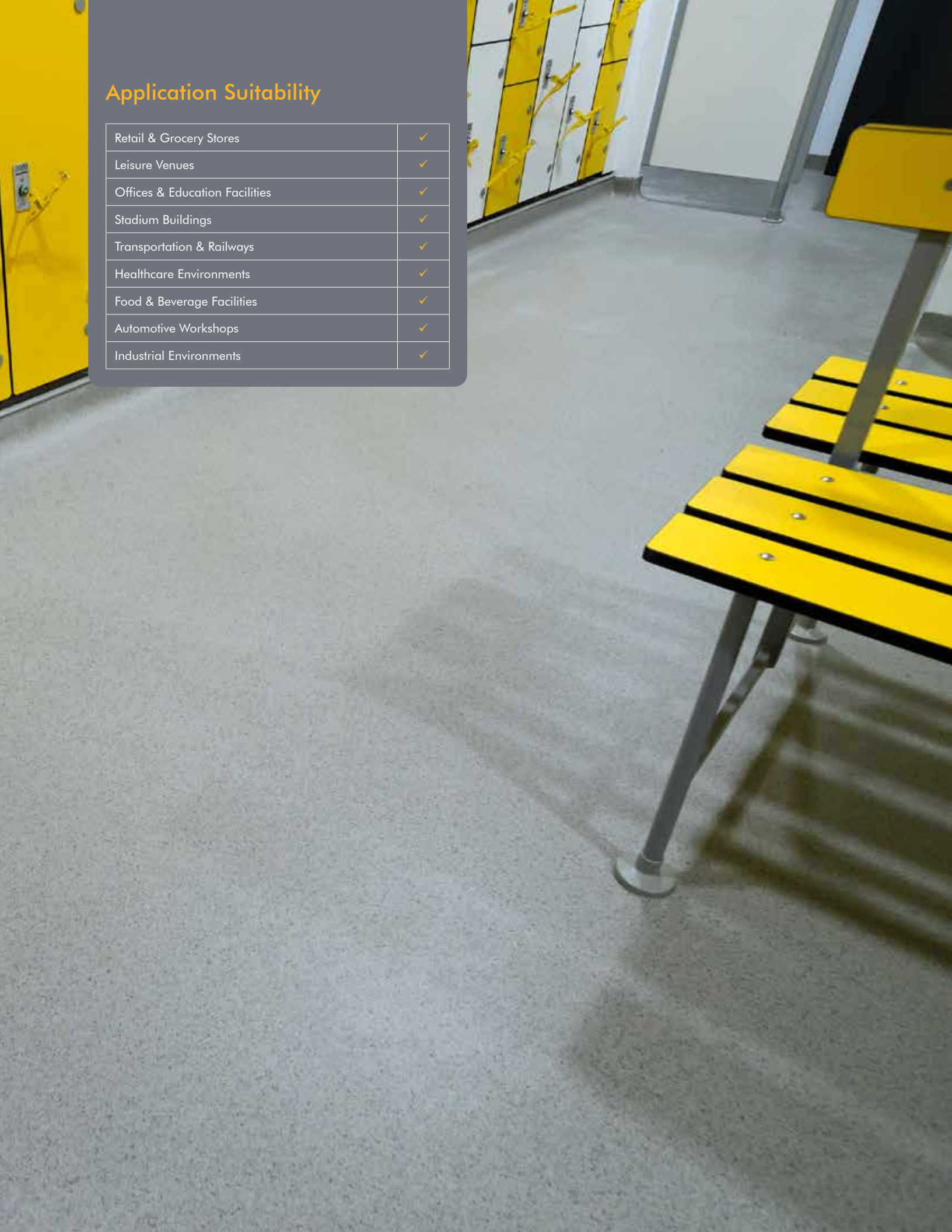


Application Suitability

Retail & Grocery Stores	✓
Leisure Venues	✓
Offices & Education Facilities	✓
Stadium Buildings	✓
Transportation & Railways	✓
Healthcare Environments	✓
Food & Beverage Facilities	
Automotive Workshops	
Industrial Environments	

Application Suitability

Retail & Grocery Stores	✓
Leisure Venues	✓
Offices & Education Facilities	✓
Stadium Buildings	✓
Transportation & Railways	✓
Healthcare Environments	✓
Food & Beverage Facilities	✓
Automotive Workshops	✓
Industrial Environments	✓



Flowfast Quartz (160 mils)

A robust, wear resistant and fast cure MMA flooring system with a decorative hand broadcast quartz finish.

Flowfast Quartz consists of durable quartz in clear resin and 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 Resistant:

Adjustable, positively textured profile to minimize slip risks in wet or damp areas.



Chemical Resistant:

Protects against acids, alkalis, caustic soda, salt solutions, oils, fats and sanitizers.



Decorative:

Available in vibrant quartz color mixes that can be matched to neighboring interiors.



UV Resistant:

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

Standard Colors:



Spring Glen



Gray Mist



Rococo



Blueberry Ice



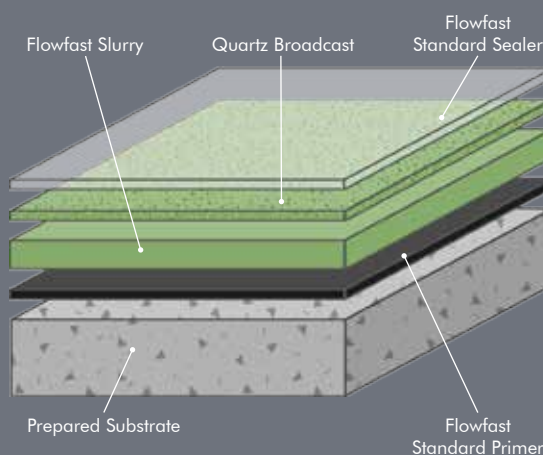
Kitchen Red



Shell

Technical Profile

SLIP RESISTANCE:			
BS 7976-2	Dry: 80 Wet: 60		
IMPACT RESISTANCE:			
ISO 6272	2.2 lb weight > 70 in 4.4 lb weight > 59 in		
COMPRESSIVE STRENGTH:			
ASTM C 579	11,600 psi		
BOND STRENGTH:			
Greater than cohesive strength of 3,000 psi concrete, > 220 psi			
TENSILE STRENGTH:			
ASTM C 307	2,900 psi		
FLEXURAL STRENGTH:			
ASTM C 580	4,350 psi		
ABRASION RESISTANCE:			
ASTM D 4060 CS 17 Wheel, 1000 cycles	0.080g loss		
TEMPERATURE RESISTANCE:			
Continuous Exposure:	Up to 160°F		
VOC:			
<50 g/l			
COEFFICIENT OF FRICTION:			
ASTM D 2047	Exceeds ADA recommendations		
SPEED OF CURE:			
	32°F	70°F	90°F
Light Traffic	60 mins	45 mins	45 mins
Full Traffic	90 mins	60 mins	60 mins
Full Chemical Cure	120 mins	90 mins	90 mins



Flowfast Quartz TR (160 mils)

A trowel applied, wear resistant and fast cure MMA flooring system with a robust decorative quartz finish.

Flowfast Quartz TR consists of durable quartz in clear resin and 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 Resistant:

Adjustable, positively textured profile to minimize slip risks in wet or damp areas.



Chemical Resistant:

Protects against acids, alkalis, caustic soda, salt solutions, oils, fats and sanitizers.



Decorative:

Available in vibrant quartz color mixes that can be matched to neighboring interiors.



UV Resistant:

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

Standard Colors:



Spring Glen



Gray Mist



Rococo



Blueberry Ice



Kitchen Red



Shell

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

Technical Profile

SLIP RESISTANCE:

BS 7976-2

Dry: 80
Wet: 60

IMPACT RESISTANCE:

ISO 6272

2.2 lb weight > 70 in
4.4 lb weight > 59 in

COMPRESSIVE STRENGTH:

ASTM C 579

11,600 psi

BOND STRENGTH:

Greater than cohesive strength of 3,000 psi concrete,
> 220 psi

TENSILE STRENGTH:

ASTM C 307

2,900 psi

FLEXURAL STRENGTH:

ASTM C 580

4,350 psi

ABRASION RESISTANCE:

ASTM D 4060
CS 17 Wheel, 1000 cycles

0.085g loss

TEMPERATURE RESISTANCE:

Continuous Exposure:

Up to 160°F

VOC:

<50 g/l

COEFFICIENT OF FRICTION:

ASTM D 2047

Exceeds ADA
recommendations

SPEED OF CURE:

32°F

70°F

90°F

Light Traffic

60 mins

45 mins

45 mins

Full Traffic

90 mins

60 mins

60 mins

Full Chemical Cure

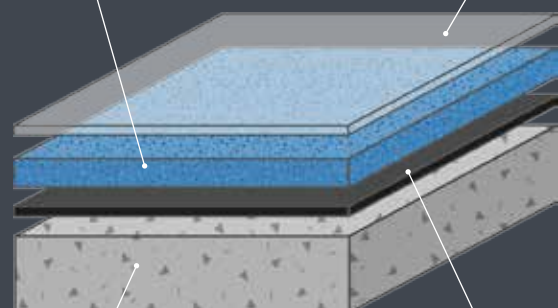
120 mins

90 mins

90 mins

Flowfast Mortar
with Quartz

Flowfast
Standard Sealer



Prepared Substrate

Flowfast
Standard Primer

Flowfast DQ (120 mils)

A slip resistant, decorative and fast cure MMA flooring system for use on pool decks and surrounds.

Flowfast DQ consists of durable quartz granules in clear resin and 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 Resistant:

Adjustable, positively textured profile to minimize pool side slip risks.



Chemical Resistant:

Protects against acids, alkalis, caustic soda, salt solutions, chlorine and sanitizers.



Decorative:

Available in vibrant quartz color mixes that can be matched to neighboring finishes.



UV Resistant:

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

Standard Colors:



Spring Glen



Gray Mist



Rococo



Blueberry Ice



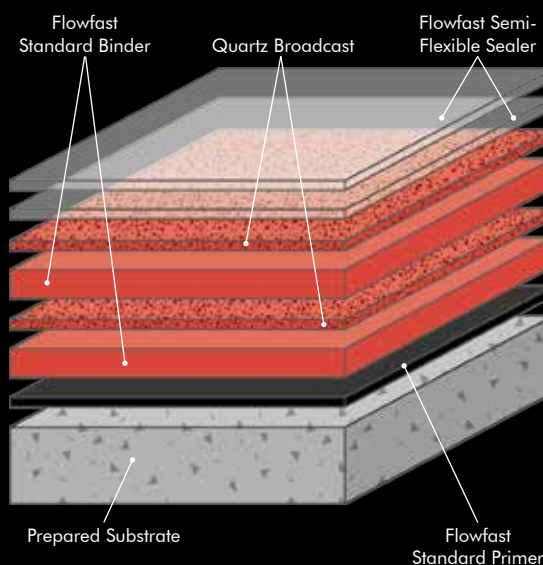
Kitchen Red



Shell

Technical Profile

SLIP RESISTANCE:			
BS 7976-2	Dry: 80 Wet: 60		
IMPACT RESISTANCE:			
ISO 6272	2.2 lb weight > 70 in 4.4 lb weight > 59 in		
COMPRESSIVE STRENGTH:			
ASTM C 579	11,600 psi		
BOND STRENGTH:			
Greater than cohesive strength of 3,000 psi concrete, > 220 psi			
TENSILE STRENGTH:			
ASTM C 307	2,900 psi		
FLEXURAL STRENGTH:			
ASTM C 580	4,350 psi		
ABRASION RESISTANCE:			
ASTM D 4060 CS 17 Wheel, 1000 cycles	0.080g loss		
TEMPERATURE RESISTANCE:			
Continuous Exposure:	Up to 160°F		
VOC:			
<50 g/l			
COEFFICIENT OF FRICTION:			
ASTM D 2047	Exceeds ADA recommendations		
SPEED OF CURE:			
	32°F	70°F	90°F
Light Traffic	60 mins	45 mins	45 mins
Full Traffic	90 mins	60 mins	60 mins
Full Chemical Cure	120 mins	90 mins	90 mins



Flowfast Industrial (200 mils)

A hard wearing, chemical resistant and fast cure MMA flooring system with a matte colored 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 Resistant:

Adjustable, positively textured profile to minimize slip risks in wet or damp areas.



Chemical Resistant:

Protects against acids, alkalis, caustic soda, salt solutions, oils, fats and sanitizers.



Durable:

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



UV Resistant:

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

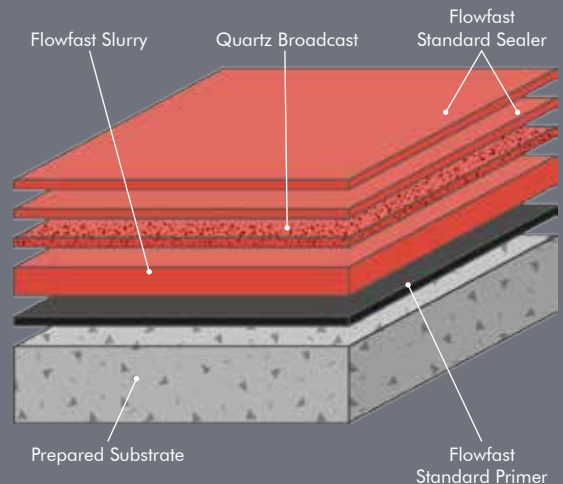
Standard Colors:



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

Technical Profile

SLIP RESISTANCE:			
BS 7976-2	Dry: 80 Wet: 60		
IMPACT RESISTANCE:			
ISO 6272	2.2 lb weight > 70 in 4.4 lb weight > 59 in		
COMPRESSIVE STRENGTH:			
ASTM C 579	11,600 psi		
BOND STRENGTH:			
Greater than cohesive strength of 3,000 psi concrete, > 220 psi			
TENSILE STRENGTH:			
ASTM C 307	2,900 psi		
FLEXURAL STRENGTH:			
ASTM C 580	4,350 psi		
ABRASION RESISTANCE:			
ASTM D 4060 CS 17 Wheel, 1000 cycles	0.080g loss		
TEMPERATURE RESISTANCE:			
Continuous Exposure:	Up to 160°F		
VOC:	<50 g/l		
COEFFICIENT OF FRICTION:			
ASTM D 2047	Exceeds ADA recommendations		
SPEED OF CURE:	32°F	70°F	90°F
Light Traffic	60 mins	45 mins	45 mins
Full Traffic	90 mins	60 mins	60 mins
Full Chemical Cure	120 mins	90 mins	90 mins





Application Suitability

Retail & Grocery Stores	
Leisure Venues	
Offices & Education Facilities	
Stadium Buildings	
Transportation & Railways	
Healthcare Environments	
Food & Beverage Facilities	✓
Automotive Workshops	✓
Industrial Environments	✓

Flowcrete

for the world at your feet



Flowcrete

Flowcrete is the world's leading specialist in seamless resin floor, wall and coving solutions as well as other specialist coating technologies with operations on six continents.

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