



FLOWSPORTS AQUATIC FLOORING

- ▶ Abrasion, slip and chemical resistant decorative resin flooring for aquatic and leisure environments.

Welcome to Flowcrete

Designed to support the Australian lifestyle, Flowsports Aquatic systems from Flowcrete Australia are tailored flooring solutions for aquatic, recreation and leisure facilities.

These specialist resin systems are designed to perform both functionally and aesthetically, with resistance to UV radiation, chemicals, heavy foot traffic and moisture whilst still delivering a decorative finish ideal for the commercial sector.

The Flowsports Aquatic range offers abrasion, slip, chemical resistant and decorative flooring systems which are designed to meet the specific needs of aquatic and leisure environments. The selection of flooring systems includes epoxy, polyurethane and methyl methacrylate resins in decorative quartz blends and solid colour finishes. These Flowsports systems are tailored to perform in a range of areas within an aquatic or leisure facility including internal and external pool surrounds, change rooms, amenities, walkways and reception areas.

Application Suitability



Pool Surrounds



External Walkways



Foyers and Receptions



Amenities



Cafeterias



Plant and Maintenance Rooms

Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1	
CHF Value	2.7 kW/m ²
HF-30 Value	4.9 kW/m ²
Smoke Value	226% (Mean)
SLIP RESISTANCE*	
Method described in AS4586-2013	P5 (Based on 24 Mesh 1mm Nominal Size White Aluminium Oxide Aggregate)
BOND STRENGTH**	
ASTM D4541 (Pull-Off Test)	> 1.5 MPa
SPEED OF CURE (PER COAT)***	
Walk On	1 hour
Full Traffic & Chemical Cure	2-3 hours

*The specific slip test rating (P0-P5 range) noted in this document is based on the system design, products listed, coverage rates and specific aggregate outlined in this document. This slip test rating can and will change if the standard specification details or installation methods are altered in any way. The specific slip rating (P0-P5 range) noted in this document is based on 96 Rubber slide testing on level non-inclined surfaces. Applicators should refer to methods outlined in AS4586-2013 and SA HB 198:2014.

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

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

Deckshield ED Rapide (4 mm)

Deckshield ED Rapide is a crack bridging MMA resin based flooring solution which provides a colourful, waterproof and durable surface.

Typically used to cosmetically enhance and waterproof aquatic and leisure environments.



Fast track application, dramatically reducing program time



Provides fire, slip, abrasion and chemical resistance



Features non-slip aggregates to provide traction underfoot



Brightens up dull, dark and old environments

Deckshield ID (1.5 mm)

A polyurethane resin-based deck coating system offered in a range of solid colour finishes and a non-slip profile.

Typically used to cosmetically enhance and protect internal pool surrounds and walkways.



100% UV light stable and resistant, non yellowing



Seamless, hygienic finish, which requires low maintenance.



Features non-slip aggregates to provide traction underfoot



Water resistant and waterproof trafficable deck coating system

Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1			
CHF Value	- kW/m ²		
Smoke Value	4% (Mean)		
SLIP RESISTANCE*			
Method described in AS4586-2013	P5 (Based on 36 Mesh White (Aluminium Oxide Aggregate)		
BOND STRENGTH**			
ASTM D4541 (Pull-Off Test)	> 1.5 MPa		
SPEED OF CURE***			
	10 °C	20 °C	30 °C
Foot Traffic	48 h	24 h	18 h
Vehicular Traffic	96 h	72 h	48 h
Full Chemical Cure	12 d	7 d	6 d

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Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1

CHF Value 2.9 kW/m²

Smoke Value 26% (Mean)

SLIP RESISTANCE*

Method described in AS4586-2013 P5

BOND STRENGTH**

ASTM D4541 (Pull-Off Test) > 1.5 MPa

SPEED OF CURE (PER COAT)***

Walk On 1 hour

Full Traffic & Chemical Cure 2-3 hours

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Flowfast SRQ (2-3 mm)

A highly decorative, non-slip, fast-curing MMA resin-based flooring system featuring a blend of coloured quartz granules.

Typically used in internal and external applications that require minimal downtime.



MMA additives speed up cure time, reducing construction schedules.



Provides fire, slip, abrasion and chemical resistance



Versatile, can be laid over existing hard surfaces such as tiles.



Brightens up dull, dark and old environments





For a full Technical Profile, contact your local Technical Department.

Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1

CHF Value	9.1 kW/m ²
HF-30 Value	- kW/m ²
Smoke Value	128% (Mean)

SLIP RESISTANCE*

Method described in AS4586-2013	P5 (Based on 36 Mesh White Aluminium Oxide Aggregate)
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BOND STRENGTH**

ASTM D4541 (Pull-Off Test)	> 1.5 MPa
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SPEED OF CURE***	10° C	20° C	30° C
Foot Traffic	48 h	24 h	18 h
Vehicular Traffic	96 h	72 h	48 h
Full Chemical Cure	12 d	7 d	6 d

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Flowcoat SRQ (1.5 mm)

A chemical resistant, non-slip, decorative epoxy resin-based flooring system featuring coloured quartz granules.

Typically used for internal applications including pool surrounds and amenities.



Seamless, hygienic finish, which requires low maintenance.



Provides fire, slip, abrasion and chemical resistance



Features non-slip aggregates to provide traction underfoot



Brightens up dull, dark and old environments



Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1

CHF Value	≥ 11 kW/m ²
Smoke Value	< 4% (Mean)

SLIP RESISTANCE*

Method described in AS4586-2013	P5
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BOND STRENGTH**

ASTM D4541 (Pull-Off Test)	> 1.5 MPa
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SPEED OF CURE***	10 °C	20 °C	30 °C
Foot Traffic	48 h	24 h	18 h
Vehicular Traffic	96 h	72 h	48 h
Full Chemical Cure	12 d	7 d	6 d

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Flowfresh SRQ (4-6 mm)

A moisture tolerant, durable, chemical resistant, hybrid resin-based flooring system with a decorative coloured quartz finish.

Typically used for leisure areas that require additional moisture tolerance.



Fast track sealer, dramatically reduces program time



Provides fire, slip, abrasion and chemical resistance



Features non-slip aggregates to provide traction underfoot



Brightens up dull, dark and old environments





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