Flowcrete
for the world at your feet

INDUSTRIAL FLOORING

Durable workhorse surfaces suited to use in a wide range of demanding industrial plants and process environments.

Part of TREMCO
Construction Products Group

www.flowcreteaustralia.com.au

Industrial Flooring Technical Profile

Flowcrete's Industrial Flooring range has been developed to deliver the ultimate in durability and resistance for hard-wearing surfaces that stand the test of time.

Reliable formulations stand up to heavy forklift, pallet truck and pedestrian traffic, whilst boasting impressive resistance levels against aggressive chemicals, cleaning agents and spillages across a number of production areas, including those subject to extreme temperature change or chemical attack.

What's more, Flowcrete's Industrial flooring range offers everything from textured finishes for slip resistance to UV stability to maintain colour vibrancy. Some ranges are even available in an antistatic grade for the protection of sensitive electronic equipment, resulting in a range of flooring solutions perfect for a variety of heavy duty industrial environments.

Application Suitability

Manufacturing

Automotive

Electronic

Pharmaceutical

Aerospace

Food & Drink Processing

Flowcoat OP (0.35-1.5 mm)

A high performance, solvent free, epoxy resin coating system designed to create a uniform "Orange Peel" surface texture.

The lightly textured surface provides enhanced slip resistance while remaining easy to clean.

Chemical Resistant:
Protects against a range of chemicals used in manufacturing processes.

Slip Resistant
Enhanced slip resistance compared to standard "smooth" coatings.

Hygienic & Easy to Clean:
The seamless and gloss finish allows the system to be cleaned easily.

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

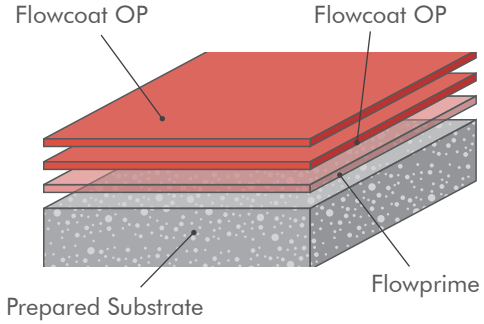


Image based on 0.35mm specification

Technical Profile

FIRE RESISTANCE			
EN 13501-1	B_{fl} - 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 up to 60°C			
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
CHEMICAL RESISTANCE			
Contact technical department			
SURFACE HARDNESS			
Koenig Hardness Test	180 secs.		
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS10 wheels)	80 mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
BS 6319	>60 N/mm2		
FLEXURAL STRENGTH			
BS 6319	>40 N/mm2		
TENSILE STRENGTH			
BS 6319	>15 N/mm2		
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm2 concrete. >1.5 MPa			
SPEED OF CURE	**10°C**	**20°C**	**30°C**
Light Traffic	48 h	24 h	18 h
Full Traffic	72 h	48 h	36 h
Full Chemical Cure	12 d	7 d	6 d

* 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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowcoat CR (0.35-1.5 mm)

A solvent free, chemical resistant epoxy coating system designed for use in processing & storage areas subject to chemical spillages.

Graded aggregate can be used to create a slip resistant profile if required.

High Chemical Resistance:
Protects against a range of chemicals used in manufacturing processes.

Solvent Free:
Solvent free, low in VOCs and environmentally friendly.

Hygienic & Easy to Clean:
The seamless and gloss finish allows the system to be cleaned easily.

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

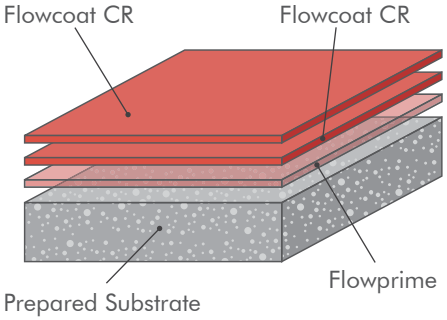


Image based on 0.35mm specification

Technical Profile

FIRE RESISTANCE			
EN 13501-1	B_{fl} - 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 up to 60°C			
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
CHEMICAL RESISTANCE			
Contact technical department			
SURFACE HARDNESS			
Koenig Hardness Test	180 secs.		
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS10 wheels)	80 mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
BS 6319	>60 N/mm²		
FLEXURAL STRENGTH			
BS 6319	>40 N/mm²		
TENSILE STRENGTH			
BS 6319	>15 N/mm²		
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm² concrete. >1.5 MPa			
SPEED OF CURE	**10 °C**	**20 °C**	**30 °C**
Light Traffic	48 h	24 h	16 h
Full Traffic	72 h	48 h	36 h
Full Chemical Cure	12 d	7 d	6 d

* 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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowcoat SK (0.35-1.5 mm)

A light slip resistant, low VOC, high build epoxy resin based coating with excellent resistance to hydraulic fluids and Skydrol®.

Typically used as a durable coloured floor coating in internal aviation environments.

Low VOC:
Compliant with Green Star Design & As Built V1.2-13.1.1B, Green Star Interiors V1.2-12.1.1B

Chemical Resistant:
The coating provides high chemical resistance in aviation environments.

Slip Resistant:
Textured aggregates provide light non slip traction underfoot.

Durable:
Hard wearing, durable and abrasion resistant.

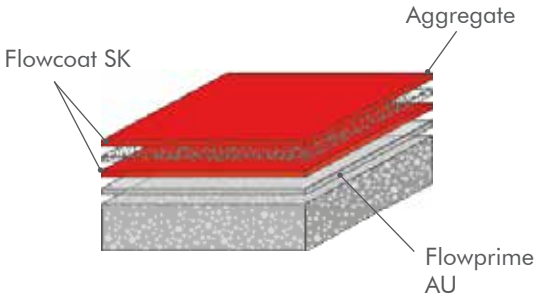


Image based on 0.35mm specification

Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1			
CHF Value	>11 kW/m²		
Smoke Value	<5% (Mean)		
SLIP RESISTANCE*			
Method described in AS4586-2013	>P3 (Based on 60 Mesh White Aluminium Oxide Aggregate)		
TEMPERATURE RESISTANCE			
Tolerant up to 65°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
SURFACE HARDNESS			
Koenig Hardness Test	180secs		
BOND STRENGTH**			
ASTM D4541 (Pull-Off Test)	>1.5MPa		
ABRASION RESISTANCE			
Taber Abrader BS8204-2	80mg loss per 1000 cycles 1kg load using CS10 wheels		
COMPRESSIVE STRENGTH			
BS6319	>60 N/mm²		
FLEXURAL STRENGTH			
BS6319	>40 N/mm²		
TENSILE STRENGTH			
BS6319	>15 N/mm²		
VOC CONTENT			
ASTM D2369-10: 2015	<140 g/L		
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

**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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowcoat UV (0.35-1.5 mm)

High performance, hard-wearing, coloured epoxy and polyurethane resin coating system designed to protect industrial floors.

Typically used as a hard wearing, protective coating for industrial areas exposed to sunlight.

UV Stable:
The coating offers resistance against harsh Ultra Violet rays.

Attractive:
Brightens up dull, dark and musty industrial environments.

Low Maintenance:
Seamless, hygienic finish, which requires low maintenance.

Resistant:
Hard wearing, durable, chemical and abrasion resistant.

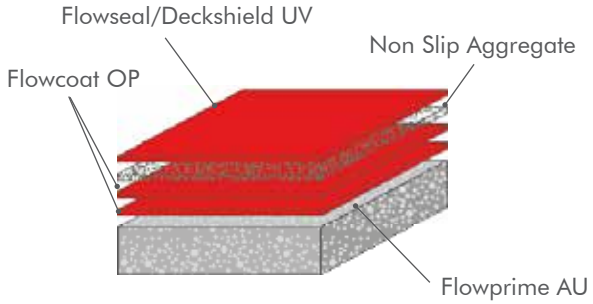


Image based on 0.35mm specification

Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1			
CHF Value	- kW/m²		
Smoke Value	4% (Mean)		
SLIP RESISTANCE*			
Method described in AS4586-2013	P1		
TEMPERATURE RESISTANCE			
Tolerant up to 65°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
SURFACE HARDNESS			
Koenig Hardness Test	180secs		
BOND STRENGTH**			
ASTM D4541 (Pull-Off Test)	>1.5MPa		
ABRASION RESISTANCE			
Taber Abrader BS8204: Part 2 Grade AR2	0.1g loss per 1000 cycles 1kg load using CS10 wheels		
UV LIGHT RESISTANCE			
Excellent			
CHEMICAL RESISTANCE			
Contact Technical Department			
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

*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

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowshield SL (2-3 mm)

A high-gloss, self-smoothing epoxy floor finish that is compliant with CSM® (Cleanroom Suitable Materials) requirements.

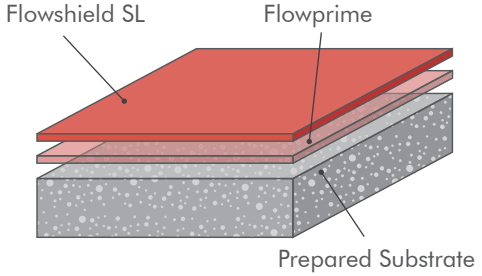
Typical uses include cleanrooms, laboratories, warehouses and storage areas.

Cleanroom Suitable:
Qualified under CSM test parameters for the 3 categories shown below.

USDA/FDA Compliant:
Meets the requirements set out by the USDA and FDA.

Hygienic & Easy to Clean:
The seamless and high-gloss finish allows the system to be cleaned easily.

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



Technical Profile

FIRE RESISTANCE			
EN 13501-1	B_{fl} - 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 up to 60°C			
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS17 wheels)	90 mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
EN 13892-2	>50 N/mm2		
FLEXURAL STRENGTH			
EN 13892-2	>30 N/mm2		
TENSILE STRENGTH			
BS 6319	25 N/mm2		
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm2 concrete. >1.5 MPa			
BIOLOGICAL RESISTANCE			
ISO 846	Excellent		
TVOC (AT 23°C)			
ISO 14644-8	ISO-ACCm Class -8.7		
CLEANROOM AIR CLEANLINESS			
ISO 14644-1	ISO-Class 4		
SPEED OF CURE	**10°C**	**20°C**	**30°C**
Light Traffic	36 h	28 h	24 h
Full Traffic	72 h	48 h	36 h
Full Chemical Cure	12 d	7 d	6 d

* 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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowshield OP (2.5-4 mm)

A high performance, solvent free, chemical resistant, high-build epoxy resin-based flooring solution with non-slip textured aggregates.

Typically used a hard-wearing, coloured protective floor finish in industrial environments

Low VOC:
The coating is low in odour and Volatile Organic Compounds.

Chemical Resistance:
Provides enhanced resistance against a range of chemical

Slip Resistance:
Textured aggregates provide non slip traction underfoot.

Durable:
Hard wearing, durable and abrasion resistant.

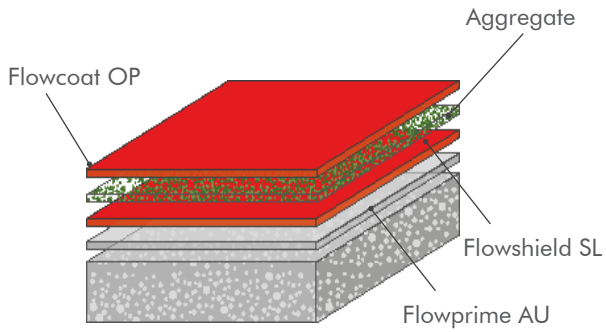


Image based on 4mm specification

Technical Profile

FIRE RESISTANCE			
EN 13505-1	Bfl-s1		
SLIP RESISTANCE*			
Method described in AS4586-2013	>P4 (Based on 0.6-1mm aggregate)		
TEMPERATURE RESISTANCE			
Tolerant up to 60°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa*		
ABRASION RESISTANCE			
Taber Abrader 1kg load using CS17 wheels	90mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
BS6319	>60 N/mm²		
FLEXURAL STRENGTH			
BS6319	>40 N/mm²		
TENSILE STRENGTH			
BS6319	>15 N/mm²		
VOC CONTENT			
ASTM D2369-10: 2015	<140 g/L		
CHEMICAL RESISTANCE			
Contact Technical Department			
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

**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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowshield CR (2.5-4 mm)

A highly chemical resistant, self-smoothing epoxy resin floor finish suitable for dry process areas subject to chemical spillages.

Typical uses include chemical storage areas, laboratories, warehouses and printing plants.

High Chemical Resistance:
Protects against a range of chemicals used in manufacturing processes.

USDA/FDA Compliant:
Meets the requirements set out by the USDA and FDA.

Hygienic & Easy to Clean:
The seamless and high-gloss finish allows the system to be cleaned easily.

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

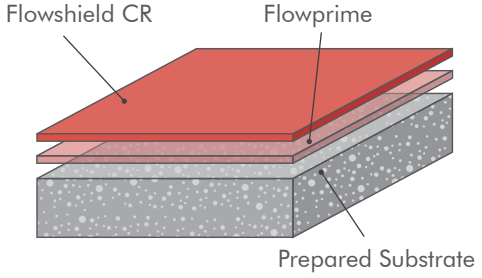


Image based on 2.5mm specification

Technical Profile

FIRE RESISTANCE			
EN 13501-1	B_{fl} - 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 up to 60°C			
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
CHEMICAL RESISTANCE			
Contact technical department			
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS17 wheels)	90 mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
BS 6319	>60 N/mm^2		
FLEXURAL STRENGTH			
BS 6319	>40 N/mm^2		
TENSILE STRENGTH			
BS 6319	>25 N/mm^2		
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm^2 concrete. >1.5 MPa			
TOXICITY			
Taint free to sensitive foodstuffs			
SPEED OF CURE	**10°C**	**20°C**	**30°C**
Light Traffic	30 h	24 h	12 h
Full Traffic	72 h	48 h	24 h
Full Chemical Cure	12 d	7 d	6 d

* 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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowshield SK (2.5-4 mm)

A solvent free, self-smoothing epoxy floor system with excellent resistance to Skydrol® and hydraulic fluids.

Typical uses are aircraft hangers, aircraft parking areas and workshops.

Skydrol®/Jet Fuel Resistant:
Resistant to typical chemicals found in aircraft service environments.

Solvent Free:
Solvent free, low in VOCs and environmentally friendly.

Hygienic & Easy to Clean:
The seamless and gloss finish allows the system to be cleaned easily.

Hard-Wearing:
Hard-wearing & abrasion resistant suitable for aircraft trafficked areas.

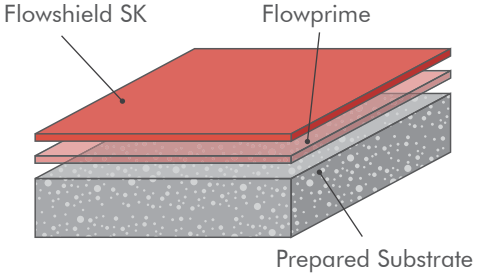


Image based on 2.5mm specification

Technical Profile*

FIRE RESISTANCE			
EN 13501-1	B_{fl} - 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 up to 60°C			
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
SURFACE HARDNESS			
Koenig Hardness Test	180 seconds		
CHEMICAL RESISTANCE			
Contact technical department			
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS17 wheels)	90 mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
EN 13892-2	>50 N/mm²		
FLEXURAL STRENGTH			
EN 13892-2	>30 N/mm²		
TENSILE STRENGTH			
BS 6319	>25 N/mm²		
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm² concrete. >1.5 MPa			
TOXICITY			
Taint free to sensitive foodstuffs			
SPEED OF CURE	**10°C**	**20°C**	**30°C**
Light Traffic	48 h	24 h	16 h
Full Traffic	72 h	48 h	24 h
Full Chemical Cure	12 d	7 d	6 d

* 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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowshield UV (2.5-4 mm)

A resin-based flooring solution which offers high-impact, chemical, abrasion resistance with a lightly textured UV stable finish.

Typically used in automotive, engineering, aerospace and pharmaceutical environments.

Slip Resistant:
Textured aggregates provide light non slip traction underfoot.

Chemical Resistant:
Provides enhanced resistance against a range of chemicals.

UV Stable:
The coating offers resistance against harsh Ultra Violet rays.

Durable:
Hard wearing, durable and abrasion resistant.

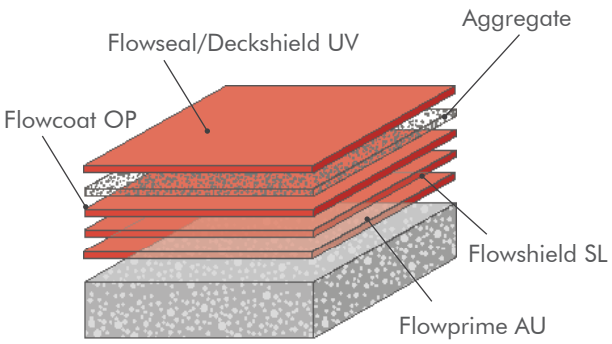


Image based on 2.5mm specification

Technical Profile

FIRE RESISTANCE			
EN 13505-1	Bfl-s1		
SLIP RESISTANCE*			
Method described in AS4586-2013	>P3 (Based on 60 mesh white aluminium oxide)		
TEMPERATURE RESISTANCE			
Tolerant up to 60°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa*		
ABRASION RESISTANCE			
Taber Abrader 1kg load using CS17 wheels	90mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
BS6319	>60 N/mm²		
FLEXURAL STRENGTH			
BS6319	>40 N/mm²		
TENSILE STRENGTH			
BS6319	>15 N/mm²		
CHEMICAL RESISTANCE			
Contact Technical Department			
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

**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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowcoat ESD BVG (1.5 mm)

An antistatic epoxy floor coating that complies with a variety of ESD standards.

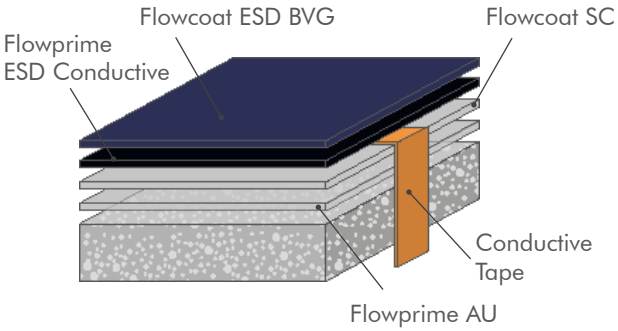
Typically used in light to medium duty traffic areas where ESD standards are required.

Antistatic:
Meets ANSI/ESD S2020, EN IEC 61340-5-1 and ASTM F150 conductive requirements.

Low Odour:
Solvent free and low odour during and after application.

High Chemical Resistance:
Protects against a majority of chemicals used in manufacturing processes.

Hard-Wearing:
Hard-wearing & abrasion resistant suitable for light to medium traffic.



Technical Profile

FIRE RESISTANCE			
EN 13501-1	B_{fl} - s1		
SLIP RESISTANCE			
Method described in AS4586-2013	P1		
TEMPERATURE RESISTANCE			
Softens over 60°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
ABRASION RESISTANCE			
Taber Abrader 1kg load using CS17 wheels	80mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
EN 13892-2	60 N/mm²		
FLEXURAL STRENGTH			
EN 13892-2	40 N/mm²		
TENSILE STRENGTH			
BS6319	25 N/mm²		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa*		
ELECTRICAL RESISTANCE			
EN IEC 61340-5-1	<1 x 10^9 Ω		
ELECTRICAL RESISTANCE			
ASTM F150	2.5 x 10^4 – 1.0 x 10^6 Ω		
BODY VOLTAGE GENERATION (BVG)			
ANSI/ESD S2020	<100V		
SPEED OF CURE* **	**10°C**	**20°C**	**30°C**
Foot Traffic	36 h	30 h	24 h
Vehicular Traffic	72 h	48 h	36 h
Full Chemical Cure	12 d	7 d	7 d

**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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowshield ESD SL (2 mm)

An antistatic, hard-wearing, abrasion resistant, self-smoothing gloss finish resin flooring system.

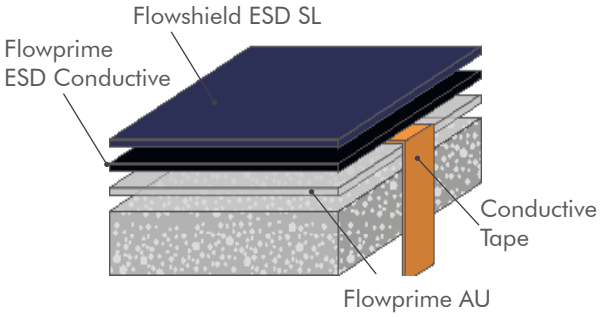
Typically used in sensitive environments such as electronic, laboratory, defence and clean room environments.

Antistatic:
Meets EN IEC 61340-5-1 antistatic standard requirements.

Attractive:
Brightens and enhances workspace environments.

Low Maintenance:
Seamless, hygienic finish, which requires low maintenance.

Abrasion Resistant:
Hard wearing, durable and abrasion resistant coating.



Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1			
CHF Value	6.6 kW/m²		
Smoke Value	398% (Mean)		
SLIP RESISTANCE			
Method described in AS4586-2013	P1 Rating		
TEMPERATURE RESISTANCE			
Softens over 60°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
ABRASION RESISTANCE			
Taber Abrader 1kg load using CS17 wheels	80mg loss per 1000 cycles		
COMPRESSIVE STRENGTH			
BS6319	60 N/mm²		
FLEXURAL STRENGTH			
BS6319	40 N/mm²		
TENSILE STRENGTH			
BS6319	25 N/mm²		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa*		
ELECTRICAL RESISTANCE			
EN IEC 61340-5-1	<1 x 10⁹ Ω		
CHEMICAL RESISTANCE			
Contact Technical Department			
SPEED OF CURE* **	**10°C**	**20°C**	**30°C**
Foot Traffic	36 h	24 h	16 h
Vehicular Traffic	72 h	48 h	36 h
Full Chemical Cure	12 d	7 d	7 d

**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.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowfresh SL (3-4 mm)

Flowfresh SL is a chemical resistant polyurethane resin floor system with smooth matte coloured finish.

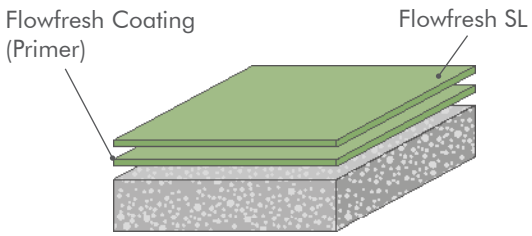
Typically used in a range of industrial environments such as automotive workshops and warehouses.

Low VOC:
Compliant with Green Star Design & As Built V1.2-13.1.1B, Green Star Interiors V1.2-12.1.1B

Chemical Resistant:
Protects against attack from corrosive ingredients and cleaning agents.

Resistant:
Hard wearing, durable and abrasion resistant.

Easy to Clean:
The self-smoothing finish is easy to maintain and sterilise.



Technical Profile

FIRE RESISTANCE			
EN 13501-1	B_{FL} - s1		
SLIP RESISTANCE			
Method described in AS4586-2013	P1		
IMPACT RESISTANCE			
EN ISO 6272	15Nm		
TEMPERATURE RESISTANCE			
From 0°C to 70°C			
COEFFICIENT OF THERMAL EXPANSION			
ASTM C531	5.70×10^{-5} °C^{-1}		
WATER PERMEABILITY			
Karsten Test	Nil (impermeable)		
VAPOUR PERMEABILITY			
ASTM E96:90	5g/m²/24hrs (at 4mm thick)		
ABRASION RESISTANCE			
Taber Abrader	0.1g loss per 1000 cycles (1kg using CS17 wheels)		
COMPRESSIVE STRENGTH			
EN 13892-2	50N/mm²		
FLEXURAL STRENGTH			
EN 13892-2	20 N/mm²		
TENSILE STRENGTH			
BS6319	7N/mm²		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa		
VOC CONTENT			
ASTM D2369-10: 2015	<140 g/L		
SPEED OF CURE*	**10°C**	**20°C**	**30°C**
Foot Traffic	36 h	24 h	12 h
Vehicular Traffic	72 h	48 h	24 h
Full Chemical Cure	10 d	7 d	6 d

*These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet/dry). Please contact our Technical Advisers for further details.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Flowfresh SR (4,6,9 mm)

A heavy-duty, chemical resistant polyurethane resin floor system with a semi-gloss or gloss finish.

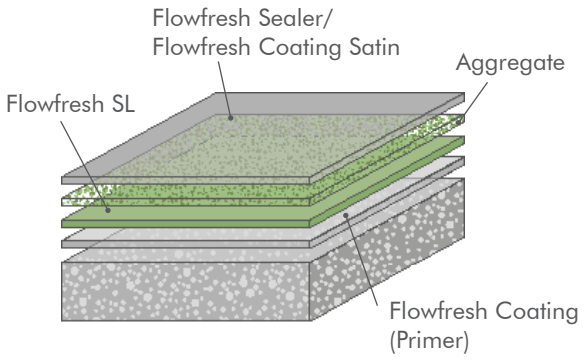
Typically used in workshops, factories, warehousing, distribution, manufacturing facilities and chemical processing plants.

Durable:
Tough polyurethane resin provides a hard-wearing platform underfoot.

Chemical Resistant:
Protects against attack from corrosive ingredients and cleaning agents.

Slip Resistant:
Contains textured aggregates to provide required slip resistance.

Easy to Clean:
The gloss finish is easy to maintain and sterilise.



Technical Profile

FIRE RESISTANCE - AS/ISO 9239.1			
CHF Value	10 kW/m²		
Smoke Value	69% (Mean)		
SLIP RESISTANCE			
Method described in AS4586-2013	P5 (Based on 0.6mm-1mm Aggregate)		
IMPACT RESISTANCE			
EN ISO 6272	15Nm		
TEMPERATURE RESISTANCE			
From 0 - 110c (at 9mm)			
WATER PERMEABILITY			
Karsten Test	Nil (impermeable)		
VAPOUR PERMEABILITY			
ASTM E96:90	5g/m²/24hrs (at 4mm thick)		
ABRASION RESISTANCE			
Taber Abrader	0.1g loss per 1000 cycles (1kg using CS17 wheels)		
COMPRESSIVE STRENGTH			
EN 13892-2	>50N/mm2		
FLEXURAL STRENGTH			
EN13892-2	>20 N/mm²		
TENSILE STRENGTH			
BS6319	7 N/mm²		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa		
VOC CONTENT			
ASTM D2369-10: 2015	< 140 g/L		
SPEED OF CURE*	**10 °C**	**20 °C**	**30 °C**
Foot Traffic	36 h	24 h	12 h
Vehicular Traffic	72 h	48 h	24 h
Full Chemical Cure	10 d	7 d	6 d

*These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet/dry). Please contact our Technical Advisers for further details.

For latest colour options, please visit: www.flowcreteaustralia.com.au

Part of

TREMCO

Construction Products Group

1800 318 038

specifications@tremco.com.au

/company/flowcreteaustralia

www.flowcreteaustralia.com.au

Tremco CPG Australia

facebook.com/flowcreteaust

TREMCO Willseal Flowcrete for the world at your feet illbruck Nullifire EUCLID CHEMICAL

280322