



COMFORT FLOORING

- ▶ The perfect look for commercial sites where design needs to be combined with comfort and care, such as in shops, offices, corridors, healthcare facilities, schools and restaurants.

Comfort Flooring Technical Profile



According to FeRFA, 'comfort flooring' or 'liquid vinyl' resin systems have been growing in popularity in recent years. This type of resin flooring provides the comfort properties typically associated with cushion vinyl but with the additional benefits of a seamless, hygienic and durable resin floor.

Flowcrete's modern floor finishes and colourings for industrial and commercial facilities deliver so much more than simply a floor – as these systems are integral parts of the whole environment, where the floor's aesthetics, functionality and durability and are all important factors for the location's overall success.

The seamless, impervious nature of these resin floors makes them easy to clean, which means that they are well-suited to environments with strict hygiene requirements. Flowcrete's floors are able to retain a crack-free finish for the long term, avoiding the need for frequent repairs or early refurbishments in order to provide a solution that is not just functional, but which is also economical.

Flowcrete's polyurethane Comfort Floor range creates the perfect look for commercial sites where design needs to be combined with comfort and care, such as in shops, offices, corridors, healthcare facilities, schools and restaurants.

Interior air quality is a key concern for the operators of large-scale commercial or public buildings. The Comfort Resins range meets the M1 emission classification for building materials, which is the lowest emission class there is. This classification proves that the Comfort Resins range limits the amount of volatile organic compounds (VOCs) as well as other toxins and odours in the environment compared to many alternative flooring materials.



Application Suitability



Retail Environments



Offices & Meeting Rooms



Corridors & Lobbies



Healthcare Facilities

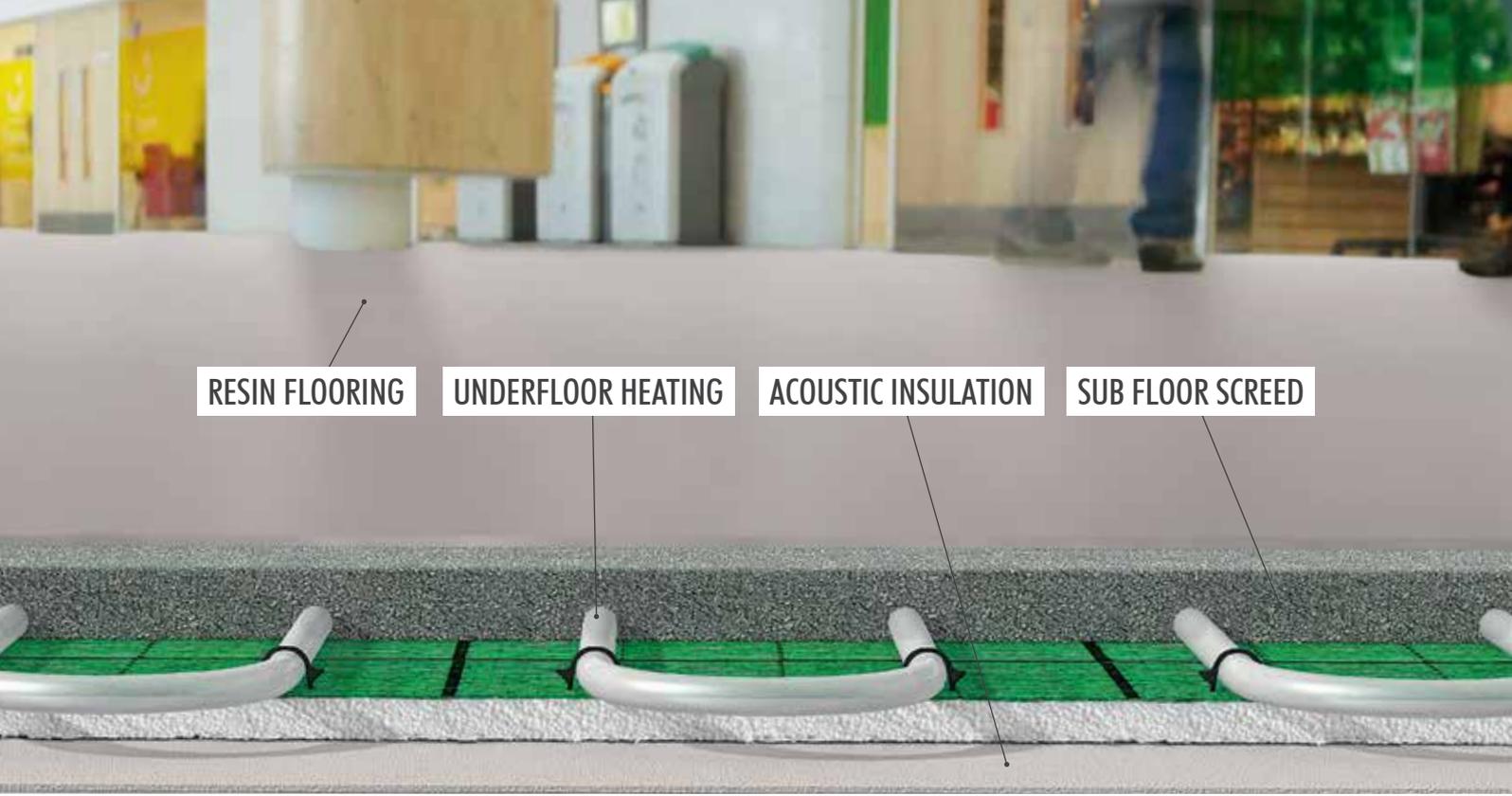


Schools & Universities



Bars & Restaurants





Introducing The Floorzone



Resin Floor Finish

Flowcrete's Comfort Floor range creates the perfect look for commercial sites where design needs to be combined with comfort and care, such as in shops, offices, corridors, healthcare facilities, schools and restaurants.



Sub-floor Screed

Isocrete Floor Screeds provide a level surface prior to the installation of floor finishes and are available in a range of formulations, including environmentally-friendly OPC free, fast cure, heavy duty and self-levelling pump-applied.



Underfloor Heating

Compatible with Isocrete Floor Screeds, Isowarm Underfloor Heating delivers controllable heat. Delivering energy cost savings of up to 30% when compared with conventional heating systems.



Acoustic Insulation

Designed to reduce the passage of airborne sound between levels in multi-occupancy facilities. Acoustic insulation exceeds the requirements of Approved Document E of the Building Regulation 2003.

Comfort Flooring Technical Comparison

Application Suitability

	Peran Comfort	Peran CHD	Flowshield Comfort	Flowshield CHD
Public Buildings	✓	✓	✓	✓
Industrial Buildings		✓		✓
Private Residential	✓	✓	✓	✓

Technical Profile Comparison

	Peran Comfort	Peran CHD	Flowshield Comfort	Flowshield CHD
Thickness	2 – 3 mm	1.5 – 2.5 mm	2 – 3 mm	1.5 – 2.5 mm
Colours	4 standard colours			
FeRFA Type <small>(BS 8204-6)</small>	FeRFA Category 5			
Fire Resistance <small>(EN 13501-1)</small>	B _f -s1			
Slip Resistance <small>(BS 7976-2)</small>	Dry 56 Wet 26	Dry 65 Wet 27	Dry 57 Wet 15	Dry 57 Wet 15
Estimated DIN Slip	Dry R12 Wet R10	Dry R12 Wet R10	Dry R12 Wet R9*	Dry R12 Wet R9*
VOC <small>(ISO 16000-9 & CEN/TS 16516) (EN 16402)</small>	Emission speed TVOC: <0.100 mg/m ² after 28 days	Emission speed TVOC: <0.110 mg/m ² after 28 days	Emission speed TVOC: <0.110 mg/m ² after 28 days	Emission speed TVOC: <0.010 mg/m ² after 28 days
Impact Resistance <small>(EN ISO 6272)</small>	IR20			
Wear Resistance <small>(EN 13892-5)</small>	RWA 300	RWA 300	RWA 10	RWA 10
Water Permeability <small>(Karsten Test)</small>	Nil (impermeable)			
Temperature Resistance	Tolerant of sustained temperatures up to 40°C	Tolerant of sustained temperatures up to 40°C	Tolerant of sustained temperatures up to 40°C	Tolerant of sustained temperatures up to 50°C
Shore D Hardness	Approx. 40 DIN 53505	Approx. 40 EN ISO 7619-1	Approx. 40 EN ISO 7619-1	Approx. 65 EN ISO 7619-1
Shore A Hardness	Approx. 80 DIN 53505	N/A	Approx. 80 EN ISO 7619-1	N/A
Compatible with Underfloor Heating	✓	✓	✓	✓

*R10 with additional PU mat (Ultra) or Anti-slip

**Cure times at temperatures between 0–30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

Peran Comfort (2–3 mm)

A matte, self-smoothing polyurethane resin floor finish, this system has excellent abrasion and chemical resistance properties.

Ideal for areas with intensive pedestrian traffic in need of high performance contemporary finishes such as offices, department stores, supermarkets, hospitals and schools.



Acoustic Resistance:

Resilient acoustic, noise reduction and sound dampening.



Soft & Comfortable:

Very soft feel underfoot, hard wearing and comfortable floor to walk on.



UV Resistance:

Offers superior UV stability in the aliphatic coating and topcoat.



Eco-Friendly & M1 Certified:

Low VOC, emissions and M1 Certified system.



Temperature Resistant:

Tolerant of sustained temperatures up to 40°C.

Standard Colours



Signal White



Pebble Grey



Light Grey



Oyster White

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

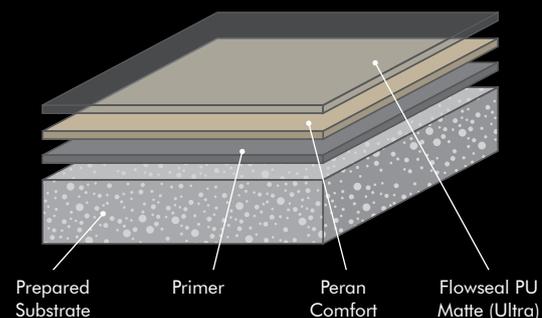
Technical Profile*

REACTION TO FIRE	
EN 13501-1	B _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20
WEAR RESISTANCE	
EN 13892-5	RWA300
ELONGATION AT BREAK	
DIN 53504	50–100%
SHORE A & D HARDNESS	
DIN 53505	D ≈ 40, A ≈ 80
RELEASE OF CORROSIVE SUBSTANCES	
SR (Synthetic resin screed)	
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VOC - ISO 16000-9 & CEN/TS 16516 (EN 16402)	
Emission speed TVOC: <0.100 mg/m ² h after 28 days	
SLIP RESISTANCE*** (in accordance with HSE and UKSRG guidelines)	
EN 13036-4 / BS 7976-2 (typical values for 4-S rubber slider)	Dry 56 low slip potential Wet 26 moderate slip potential
BS 8204-6 / FeRFA	
Type 5	

SPEED OF CURE**	10°C	20°C	30°C
Light traffic	48 hrs	24 hrs	16 hrs
Full traffic	4 days	2 days	2 days
Full chemical cure	14 days	7 days	4 days

*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 Department for further details and specifications.



**Cure times at temperatures between 0–30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.



Peran CHD (1.5–2.5 mm)

A matte, self-smoothing polyurethane coating with a clear aliphatic topcoat.

Ideal for commercial environments with intensive foot traffic such as offices, shops, department stores, supermarkets, restaurants, hospitals and schools.



Acoustic Resistance:

Resilient acoustic, noise reduction and sound dampening.



Soft & Comfortable:

Very soft feel underfoot and comfortable floor to walk on.



Enhanced UV Resistance:

Offers enhanced resistance to UV light due to aliphatic coating and topcoat.



Hard Wearing:

Enhanced wear resistance increases durability.



Temperature Resistant:

Tolerant of sustained temperatures up to 40°C.

Standard Colours



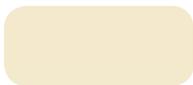
Signal White



Pebble Grey



Light Grey



Oyster White

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

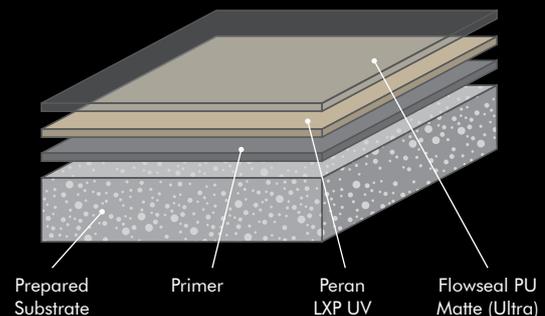
Technical Profile*

REACTION TO FIRE	
EN 13501-1	B _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20
WEAR RESISTANCE	
EN 13892-5	RWA300
ELONGATION AT BREAK	
DIN 53504	50–100%
SHORE A & D HARDNESS	
EN ISO 7619-1	D ≈ 40
RELEASE OF CORROSIVE SUBSTANCES	
SR (Synthetic resin screed)	
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VOC - ISO 16000-9 & CEN/TS 16516 (EN 16402)	
Emission speed TVOC: <0.110 mg/m ² h after 28 days	
SLIP RESISTANCE*** (in accordance with HSE and UKSRG guidelines)	
EN 13036-4 / BS 7976-2 (typical values for 4-S rubber slider)	Dry 65 low slip potential Wet 27 moderate slip potential
BS 8204-6 / FeRFA	
Type 5	

SPEED OF CURE**	10°C	20°C	30°C
Light traffic	48 hrs	24 hrs	16 hrs
Full traffic	4 days	2 days	2 days
Full chemical cure	14 days	7 days	4 days

*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 Department for further details and specifications.



**Cure times at temperatures between 0–30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

Jean Louis David



Flowshield Comfort (2–3 mm)

A self-smoothing, flexible polyurethane coating with a coloured aliphatic topcoat for a smooth surface finish.

Ideal for commercial environments with intensive traffic such as offices, shops, department stores, supermarkets, restaurants, hospitals and schools.



Acoustic Resistance:

Resilient acoustic, noise reduction and sound dampening.



Soft & Comfortable:

Very soft feel underfoot and comfortable floor to walk on.



UV Resistance:

Offers topcoat resistance to UV light, minimising yellowing.



Eco-Friendly & M1 Certified:

Low VOC, emissions and M1 Certified system.



Temperature Resistant:

Tolerant of sustained temperatures up to 40°C

Standard Colours



Silk Grey



Signal Grey



Dusty Grey



Graphite Grey

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

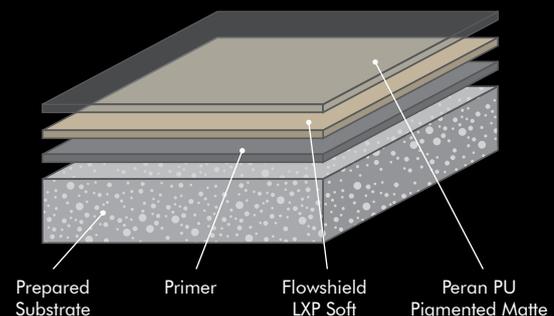
Technical Profile*

REACTION TO FIRE	
EN 13501-1	B _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20
WEAR RESISTANCE	
EN 13892-5	RWA10
ELONGATION AT BREAK	
DIN 53504	50–100%
SHORE A & D HARDNESS	
EN ISO 7619-1	D ≈ 40, A ≈ 80
RELEASE OF CORROSIVE SUBSTANCES	
SR (Synthetic resin screed)	
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VOC - ISO 16000-9 & CEN/TS 16516 (EN 16402)	
Emission speed TVOC: <0.110 mg/m ² h after 28 days	
SLIP RESISTANCE*** (in accordance with HSE and UKSRG guidelines)	
EN 13036-4 / BS 7976-2 (typical values for 4-S rubber slider)	Dry 57 low slip potential Wet 15 high slip potential
BS 8204-6 / FeRFA	
Type 5	

SPEED OF CURE**	10°C	20°C	30°C
Light traffic	48 hrs	24 hrs	16 hrs
Full traffic	4 days	2 days	2 days
Full chemical cure	14 days	7 days	4 days

*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 Department for further details and specifications.



**Cure times at temperatures between 0–30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.



Flowshield CHD (1.5–2.5 mm)

A self-smoothing, flexible polyurethane coating with a coloured aliphatic topcoat for a smooth surface finish.

Ideal for commercial environments with intensive traffic such as offices, shops, department stores, supermarkets, restaurants, hospitals and schools.



Acoustic Resistance:

Resilient acoustic, noise reduction and sound dampening.



Soft & Comfortable:

Very soft feel underfoot and comfortable floor to walk on.



UV Resistance:

Offers topcoat resistance to UV light, minimising yellowing.



Hard Wearing:

Enhanced wear resistance increases durability.



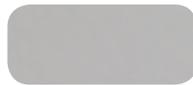
Temperature Resistant:

Tolerant of sustained temperatures up to 50°C.

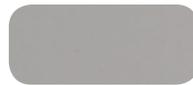
Standard Colours



Silk Grey



Signal Grey



Dusty Grey



Graphite Grey

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

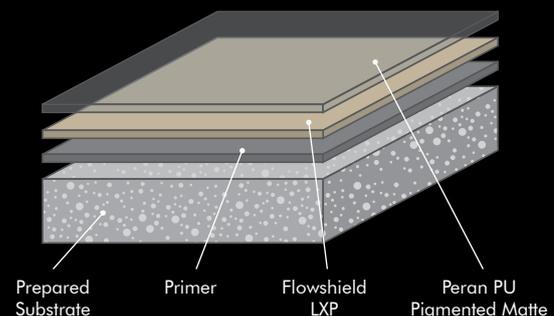
Technical Profile*

REACTION TO FIRE	
EN 13501-1	B _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20
WEAR RESISTANCE	
EN 13892-5	RWA10
ELONGATION AT BREAK	
DIN 53504	50–100%
SHORE A & D HARDNESS	
EN ISO 7619-1	D ≈ 65
RELEASE OF CORROSIVE SUBSTANCES	
SR (Synthetic resin screed)	
WATER PERMEABILITY	
Karsten Test	Nil (Impermeable)
VOC - ISO 16000-9 & CEN/TS 16516 (EN 16402)	
Emission speed TVOC: <0.010 mg/m ² h after 28 days	
SLIP RESISTANCE*** (in accordance with HSE and UKSRG guidelines)	
EN 13036-4 / BS 7976-2 (typical values for 4-S rubber slider)	Dry 57 low slip potential Wet 15 high slip potential
BS 8204-6 / FeRFA	
Type 5	

SPEED OF CURE**	10°C	20°C	30°C
Light traffic	48 hrs	24 hrs	16 hrs
Full traffic	4 days	2 days	2 days
Full chemical cure	14 days	7 days	4 days

*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 Department for further details and specifications.



**Cure times at temperatures between 0–30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.



Aftercare

General

Hard resin coatings offer many possibilities and can be supplied with anti-slip surfaces, fireproof and antistatic properties. Resin finishes have a long lifecycle and are very resistant to both mechanical wear and chemical spillage. The range of patterns and colour options is extensive and the floor's visuals can be customised to meet the customer's requirements.

Preventative Maintenance

Right from the planning stage of a flooring system it is important that the question of maintenance is brought up and planned for. The amount and extent of dirt can be kept under control by placing doormats on the floor or by implementing embedded dirt collection zones. This primarily applies to all very highly frequented entrance and transit zones such as entrances and walkways.

Care Directions for Dry Premises

A dry premises is an area not subjected to daily water ingress. An alkaline cleaning agent must be used for continual surface maintenance of dry premises. Always mix the cleaning agent with water in accordance with Flowcrete's directions. All normal cleaning agents can be used for smooth flooring. Floor surfaces can be cleaned using a mop, high-pressure washer and scouring machines.

Care Directions for Wet Premises

A wet premises is an area where the floors/walls are subjected to water on a daily basis. Routine cleaning of walls and floors should be carried out by wetting the floor with clean water, washing away loose contaminants at the same time. Apply the cleaning solution with a spray handle to the walls and fittings, starting from the bottom and continuing in an upwards direction. Scour quickly and lightly at the same time as the cleaning solution is applied to the floor.

Flowcrete's Specially Designed Cleaning Products

Flowcrete's cleaning programme has been developed to meet the special requirements of the environments in which our floors are installed. This means it is specially adapted for surfaces that are exposed to heavy wear, such as industrial flooring and flooring in public environments.



Flowcrete Polish & Wax Remover

A fast polish remover that returns the surface to its original state.



Flowcrete Special Cleaner

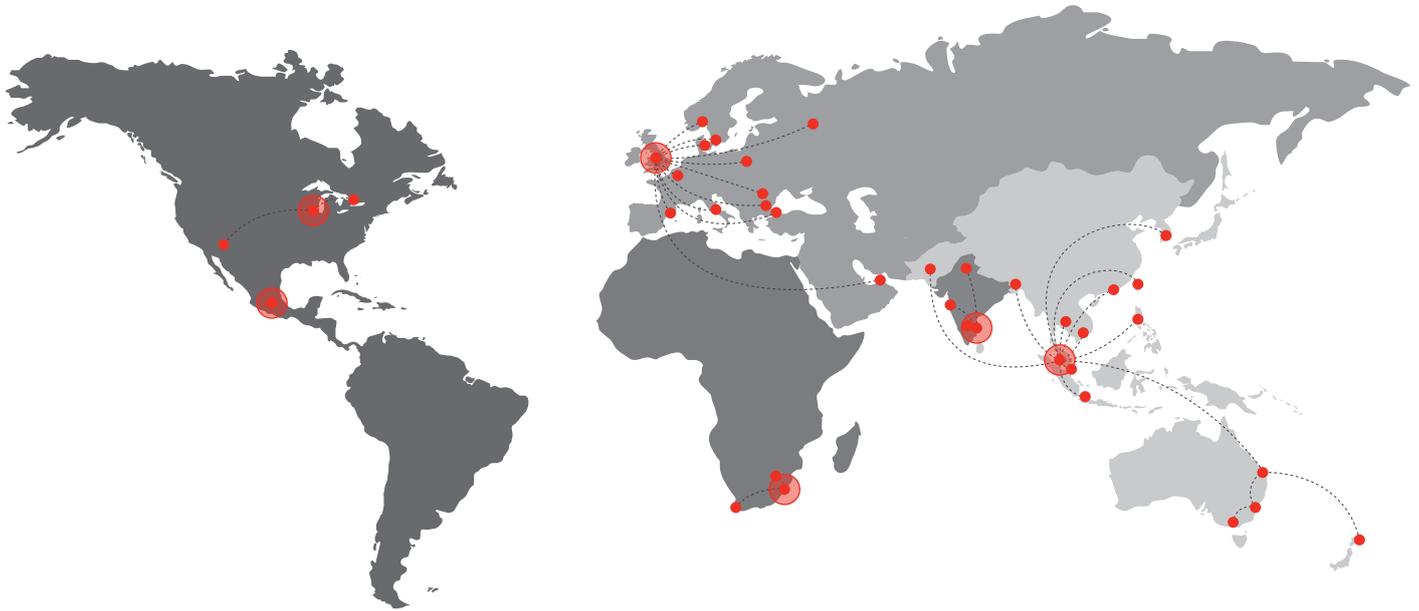
A concentrated cleaning agent for micro-protection of floor surfaces.



Flowcrete Satina

A polish that provides a durable, protective, matte surface finish.





Flowcrete

World leader in seamless resin flooring solutions and other specialist coatings.

Africa

South Africa +27 31 701 0017 southafrica@flowcrete.com

Asia Pacific (APAC)

Australia	+61 7 3205 7115	australia@flowcrete.com
Bangladesh	+603 6277 9575	bangladesh@flowcrete.com
Hong Kong	+852 2795 0478	hongkong@flowcrete.com
Indonesia	+62 21 252 3201	indonesia@flowcrete.com
Korea	+60 3 6277 9575	korea@flowcrete.com
Malaysia	+60 3 6277 9575	asia@flowcrete.com
New Zealand	+64 7 541 1221	newzealand@flowcrete.com
Pakistan	+60 3 6277 9575	pakistan@flowcrete.com
Philippines	+63 2 834 6506	philippines@flowcrete.com
Singapore	+65 6848 7166	singapore@flowcrete.com
Taiwan	+60 3 6277 9575	taiwan@flowcrete.com
Thailand	+66 2539 3424	thailand@flowcrete.com
Vietnam	+84 28 6287 0846	vietnam@flowcrete.com

Europe & Middle East (EME)

Bulgaria	+359 898 61 58 31	bulgaria@flowcrete.com
Denmark	+46 435 40 01 10	denmark@flowcrete.com
France	+33 1 60 61 74 42	france@flowcrete.com
Italy	+39 339 4853258	italy@flowcrete.com
Norway	+47 6486 0830	norway@flowcrete.com
Poland	+48 22 879 8907	poland@flowcrete.com
Romania	+40 766 596 991	romania@flowcrete.com
Russia	+7 916 931 3513	russia@flowcrete.com
Spain	+34 937 07 0872	spain@flowcrete.com
Sweden	+46 435 40 01 10	sweden@flowcrete.com
Turkey	+90 212 2946570	turkey@flowcrete.com
UAE	+971 4 347 0460	uae@flowcrete.com
UK	+44 (0) 1270 753 000	uk@flowcrete.com

India

India +91 44 40176600 india@flowcrete.com

North America

Canada	+1 877-210-2444	canada@flowcrete.com
Mexico	+55 44 40 94 00	mexico@flowcrete.com
USA	+1 513-943-4225	americas@flowcrete.com