



## COMFORT FLOORING

Decorative Resin Flooring Solutions for:

- ✓ Retail Environments
- ✓ Offices & Meeting Rooms
- ✓ Corridors & Lobbies
- ✓ Healthcare Facilities
- ✓ Schools & Universities
- ✓ Bars & 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.

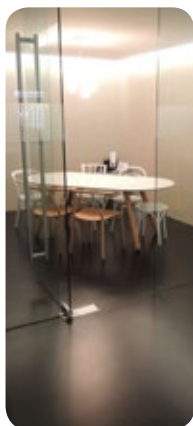
Interior air quality is a key concern for the operators of large-scale commercial or public buildings. The Comfort Resins range meets the **M1 emission classification** for building materials, which is the lowest emission class there is. This classification proves that the Comfort Resins range limits 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



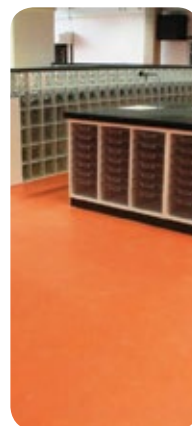
Offices &  
Meeting Rooms



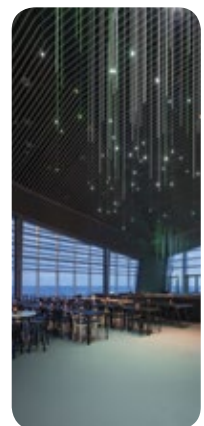
Corridors  
& Lobbies



Healthcare  
Facilities



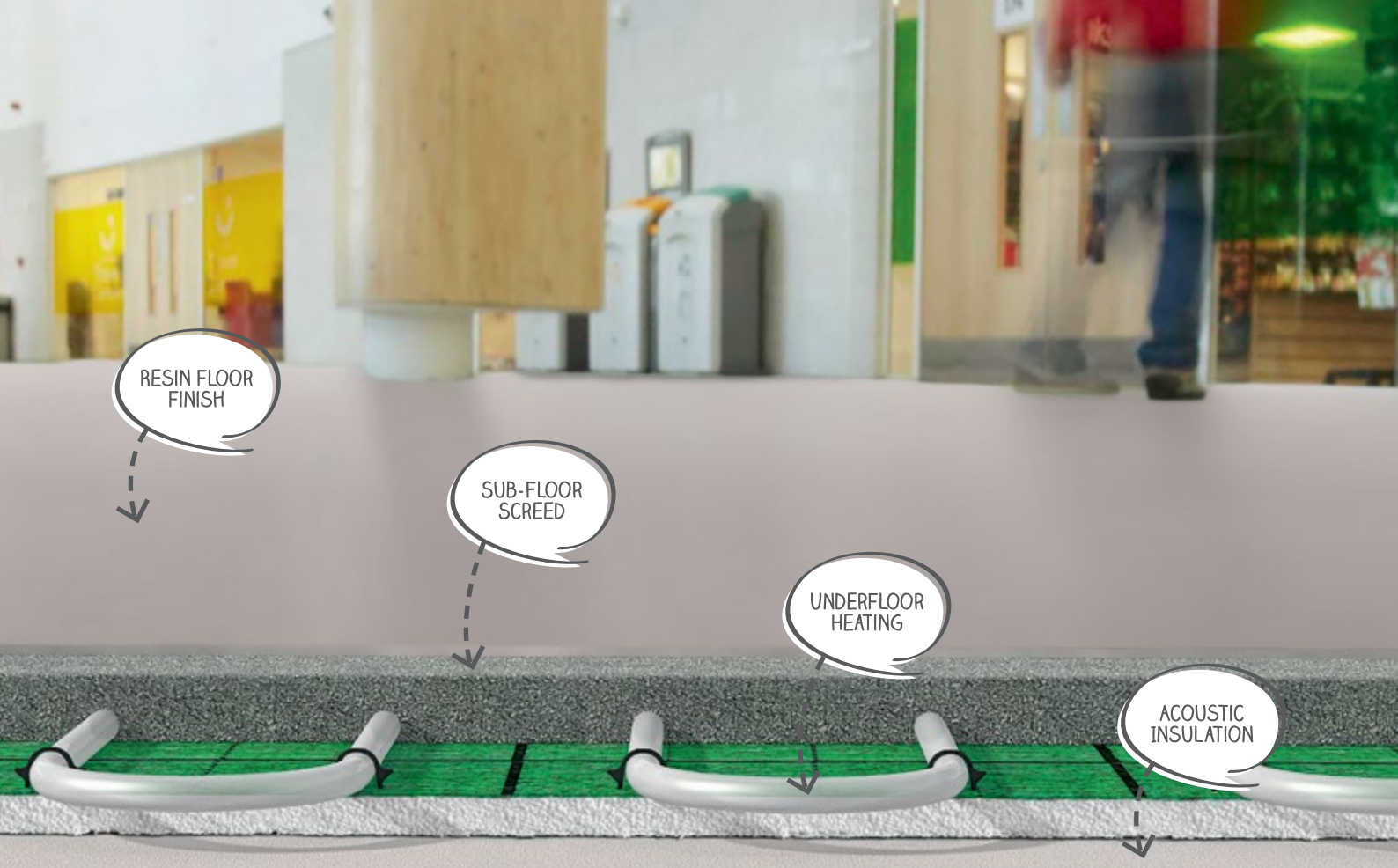
Schools &  
Universities



Bars &  
Restaurants







## Introducing The Floorzone

### An Eco-Friendly Resin Floor Finish

Flowcrete's environmentally friendly floor finishes include seamless terrazzo with up to 60% recycled content and stone carpets comprising natural aggregates, all ideally suited for use in demanding commercial environments.

- ✓ Mondéco Mirrazzo
- ✓ Mondéco Crystal Ice
- ✓ Mondéco Arctic
- ✓ Rustik Glamourstone
- ✓ Rustik Natural Stone
- ✓ Naturewalk

### A Green Self-Levelling Floor Screed

Isocrete Green Floor Screeds are OPC free and contain 40% recycled content from heavy industry. 95% of Isocrete Alpha Screed's binder consists of coal power station waste. The Green Screeds are ideally suited to use in both new-build and refurbishment projects.

- ✓ Isocrete Self Level Renovation
- ✓ Flowscreed Industrial Top
- ✓ Isocrete Alpha Screed
- ✓ Isocrete Self Level Plus
- ✓ Isocrete Self Level Base
- ✓ Isocrete 1500
- ✓ Isocrete 4000
- ✓ Isocrete 5000

### An Energy-Saving Heating System

Isowarm Underfloor Heating delivers controllable heat, providing environmental and efficiency savings of up to 30% compared to conventional heating. Isowarm is geared up to the specialist needs of today's modern construction standards.

- ✓ Isowarm Tackerboard
- ✓ Isowarm ADP

(Please consult our Isowarm team to discuss your exact heating requirements.)

### A Recycled Acoustic Foam Layer

Isocrete Acoustic Foam reduces the passage of airborne sound within multi-occupancy buildings and exceeds the requirements of Approved Document E of the Building Regulation 2003, which requires airborne (min 45Db) and impact (max 62Db) sound performance.

- ✓ Isocrete Acoustic Foam

(Isocrete Acoustic Foam can be used with or without Isowarm Underfloor Heating.)

# Comfort Flooring Technical Comparison

APPLICATION SUITABILITY	PRODUCT	Peran Comfort	Peran CHD	Flowshield Comfort	Flowshield CHD
Public Buildings		✓	✓	✓	✓
Industrial Buildings			✓		✓
Private Residential		✓	✓	✓	✓

PERFORMANCE CRITERIA	PRODUCT	Peran Comfort	Peran CHD	Flowshield Comfort	Flowshield CHD
Thickness		2 or 3 mm	1.5 or 2.5 mm	2 or 3 mm	1.5 or 2.5 mm
Colours		4 standard colours			
FeRFA Type		BS 8204-6/FeRFA Category 5			
Fire Resistance (EN 13501-1)		B <sub>FL</sub> - s1			
Slip Resistance (BS 7976-2)		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 (ISO 16000-9 & CEN/TS 16516) (EN 16402)		Emission speed TVOC: <0.100 mg/m <sup>2</sup> h after 28 days			
Impact Resistance (EN ISO 6272)		IR20			
Wear Resistance (EN 13892-5)		RWA300			
Water Permeability		Nil - Karsten test (impermeable)			
Bond Strength (EN 13892-8)		B2.0			
Temperature Resistance		Tolerant of sustained temperatures up to 40°C.	Tolerant of sustained temperatures up to 40°C.	Tolerant of sustained temperatures up to 50°C.	Tolerant of sustained temperatures up to 50°C.
Shore D Hardness		Approx. 40 DIN 53505	Approx. 60 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 Matt (Ultra) or Anti-slip

# Peran Comfort (2–3mm)

A matt, 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.



### Attractive:

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



### UV Stable:

Delivers enhanced resistance to UV light throughout the entire system.



### Hard-wearing:

Holds its own against sustained foot traffic in busy commercial spaces.



### Chemical Resistant:

Withstands potentially corrosive cleaning agents and spillages.



### Noise Reduction:

Helps to minimise noise from foot traffic in busy commercial spaces.

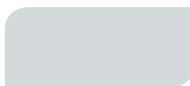
## Standard Colours



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

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 40°C.

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### SLIP RESISTANCE

BS 7976-2  
(typical values for 4-S rubber slider)

Dry 56 low slip potential  
Wet 26 moderate slip potential

### IMPACT RESISTANCE

EN ISO 6272

IR20

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### WEAR RESISTANCE

EN 13892-5

RWA300

### BOND STRENGTH

EN 13892-8

B2.0

### SHORE A HARDNESS

DIN 53505

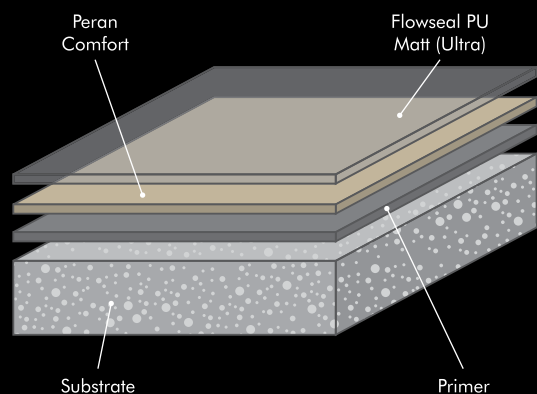
Approx. 80

### SHORE D HARDNESS

DIN 53505

Approx. 40

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







# Peran CHD (1.5–2.5mm)

A matt, 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.



**Attractive:**

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



**UV Stable:**

Delivers enhanced resistance to UV light throughout the entire system.



**Hard-wearing:**

Offers enhanced resistance to sustained foot traffic in busy commercial spaces.



**Chemical Resistant:**

Withstands potentially corrosive cleaning agents and spillages.



**Noise Reduction:**

Helps to minimise noise from foot traffic in busy commercial spaces.

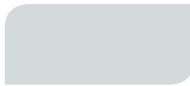
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Signal White



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Light Grey



Oyster White

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## Technical Profile

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 40°C.

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### SLIP RESISTANCE

BS 7976-2  
(typical values for 4-S rubber slider)

Dry 65 low slip potential  
Wet 27 moderate slip potential

### IMPACT RESISTANCE

EN ISO 6272

IR20

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### WEAR RESISTANCE

EN 13892-5

RWA300

### BOND STRENGTH

EN 13892-8

B2.0

### SHORE D HARDNESS

EN ISO 7619-1

Approx. 40

### SPEED OF CURE

10°C

20°C

30°C

Light Traffic

48 hrs

24 hrs

16 hrs

Full Traffic

4 days

2 days

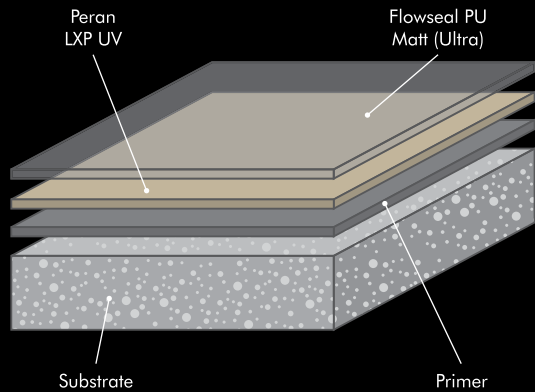
2 days

Full Chemical Cure

14 days

7 days

4 days





Jean Louis David



# Flowshield Comfort (2–3mm)

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.



### Attractive:

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



### UV Stable:

Offers resistance to UV light to reduce discolouring.



### Hard-wearing:

Holds its own against sustained foot traffic in busy commercial spaces.



### Chemical Resistant:

Withstands potentially corrosive cleaning agents and spillages.



### Low Odour:

Improved air quality during installation and beyond.

## 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

### TEMPERATURE RESISTANCE

Tolerant of sustained temperatures up to 50°C.

### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### SLIP RESISTANCE

BS 7976-2  
(typical values for 4-S rubber slider)

Dry 57 low slip potential  
Wet 15 high slip potential

### IMPACT RESISTANCE

EN ISO 6272

IR20

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### WEAR RESISTANCE

EN 13892-5

RWA300

### BOND STRENGTH

EN 13892-8

B2.0

### SHORE A HARDNESS

EN ISO 7619-1

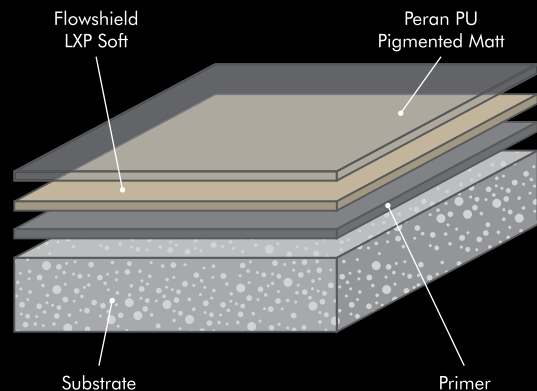
Approx. 80

### SHORE D HARDNESS

EN ISO 7619-1

Approx. 40

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







# Flowshield CHD (1.5–2.5mm)

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Signal Grey



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Graphite Grey

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### TEMPERATURE RESISTANCE

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### FIRE RESISTANCE

EN 13501-1

B<sub>FL</sub> - s1

### SLIP RESISTANCE

BS 7976-2  
(typical values for 4-S rubber slider)

Dry 57 low slip potential  
Wet 15 high slip potential

### IMPACT RESISTANCE

EN ISO 6272

IR20

### WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

### WEAR RESISTANCE

EN 13892-5

RWA10

### BOND STRENGTH

EN 13892-8

B2.0

### TOXICITY

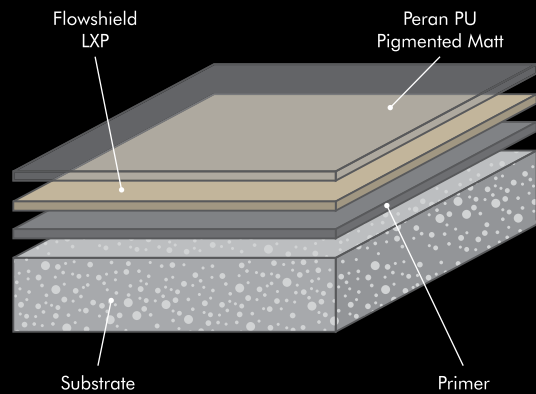
Inert and harmless when cured.

### SHORE D HARDNESS

EN ISO 7619-1

Approx. 65

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







# Aftercare

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## 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

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Flowcrete's cleaning programme has been developed based on the special requirements of the environments in which our floors are installed. This means that our cleaning programme 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 and effective polish remover that returns the surface to its original state.



### Flowcrete Special Cleaner

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

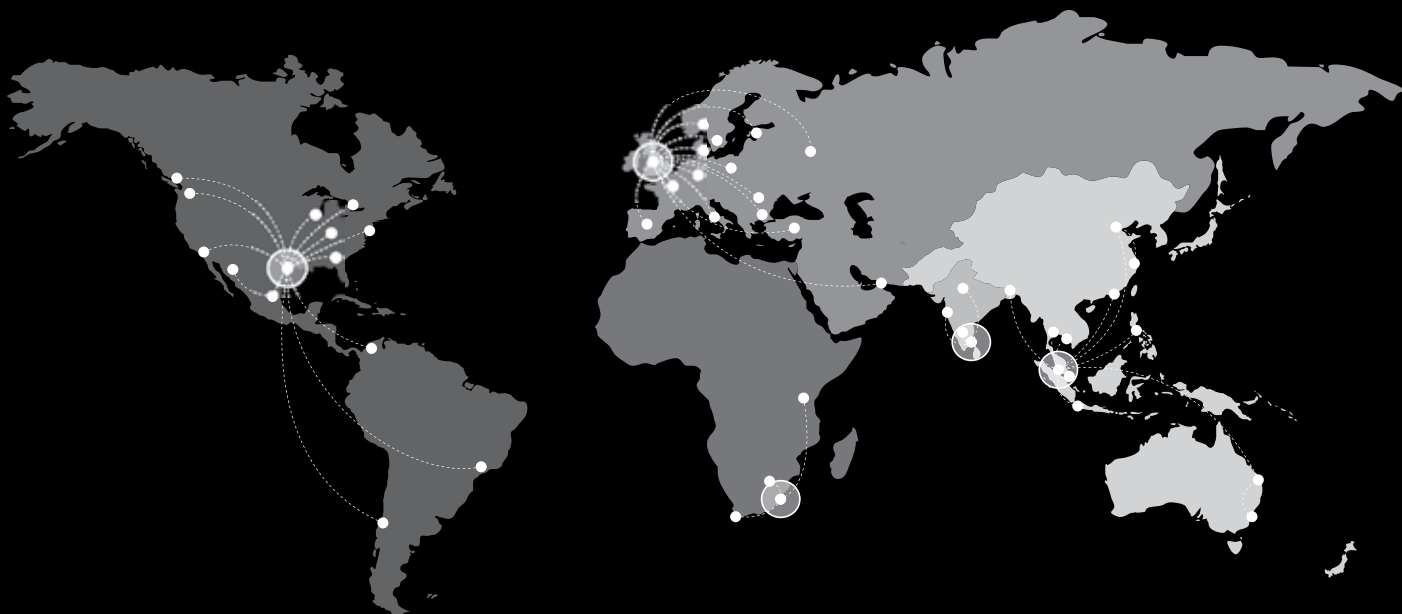


### Flowcrete Satina

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







## Flowcrete

Flowcrete is the world's leading manufacturer of seamless resin floor, wall and coving solutions as well as a range of other specialist coating technologies with operations across the globe.

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