

Flowcrete

for the world at your feet



INDUSTRIAL FLOORING

High Performance Polymer Floor Coating Systems:

- ✓ Manufacturing Plants
- ✓ Automotive Facilities
- ✓ Electronic Plants
- ✓ Pharmaceutical
- ✓ Food & Beverage Plants
- ✓ Aviation Hangars



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Welcome to Flowcrete

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

Flowcrete 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 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.

Flowcrete in North and South America is manufactured by Key Resin Company in Batavia, Ohio. Together serving expanding business opportunities across the continent including the USA, Canada, Latin America and the Caribbean. With clients including Coca Cola, L'Oreal, Cargil, Nestle, NASA, GE and Southwest Airlines, Flowcrete continues to develop a significant presence in the Americas' polymer flooring market.

Seamless Industrial Resin Flooring Solutions



Flowcrete industrial floor systems have been designed to deliver durable, wear resistant and easily maintained surfaces for clients working in production plants or heavy industry.

Time-proven flooring systems from Flowcrete Americas stand up to heavy forklift, pallet truck and pedestrian traffic while at the same time boast impressive resistance to aggressive chemicals, solvents and cleaning agents. Many systems also provide protection in areas subject to temperature swings and thermal shock.

Flowcrete's Industrial Flooring range offers everything from textured finishes for enhanced slip resistance to UV stability to maintain color vibrancy. Some systems are available in an antistatic grade to protect sensitive electronic equipment and safely ground any electrostatic charge.



Application Suitability

Solutions for light, medium, heavy and very heavy duty industrial applications.

✓	Manufacturing Plants
✓	Automotive Plants
✓	Electronic Plants
✓	Pharmaceutical Plants
✓	Food & Beverage Plants
✓	Aviation Hangars



Standard Colors:



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

Flowseal EPW (6 - 8 mils)*

A vapor permeable, water-dispersed epoxy floor coating system available in a range of neutral shades.

Flowseal EPW provides a cost-effective finish that can be used on green concrete or used as a receiving coat for decorative flake aggregates.



Vapor Permeable:

Fully breathable and can be installed onto damp substrates or green concrete.



Solvent Free:

Water dispersed epoxy resin technology free from solvents and VOCs.



Easily Mixed & Applied

Easily mixed and applied using a roller or rubber squeegee.

Technical Profile

SLIP RESISTANCE:

PTV BS 7976-2
(Using TRRL Rubber
Slider)

Dry: 70
Wet: Dependent on
specification

ABRASION RESISTANCE:

ASTM D 4060
CS 17 Wheel, 1000 cycles

0.050g loss

VAPOR PERMEABILITY:

ASTM E 96

20g/m²/mm/24 hrs

BOND STRENGTH:

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

SURFACE HARDNESS:

Koenig Hardness Test

> 180 secs

TEMPERATURE RESISTANCE:

Continuous Exposure:

Up to 140°F

VOC:

26 g/l

VOLUME SOLIDS:

Approx. 50%

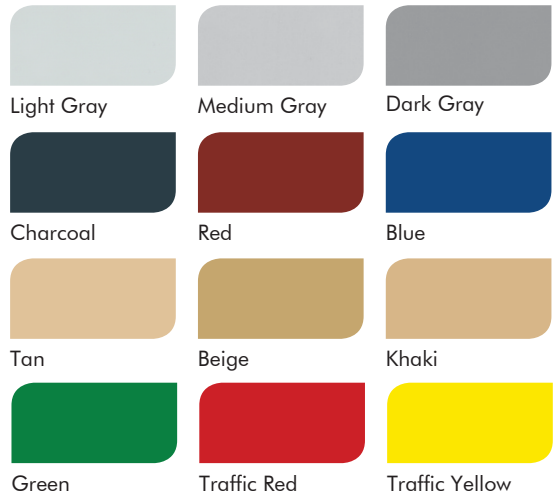
*Dry film thickness.

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For a full color chart and samples, contact your local Flowcrete office.

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Standard Colors:



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

Flowcoat WB Satin (25 mils)

A wear resistant epoxy resin system with a clear, satin finish polyacrylic-aliphatic polyurethane top coat.



Low Odor:

Low odor installation, non-toxic, and solvent-free formulation.



UV Resistant:

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



Seamless & Easily Cleaned:

Seamless installation ensures dirt and dust are swiftly and easily cleaned away.



Low Maintenance:

End of life surfaces can be over-coated with minimal surface preparation.



Minimizes Surface Imperfections:

Reduced gloss of the finish minimizes the reflection of minor surface imperfections.

PERMEABILITY:

ASTM E 96	0.0042 perm. -in
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ADHESION:

ASTM D 4541	>400 psi (100% Concrete Failure)
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ABRASION RESISTANCE:

ASTM D 4060 CS 17 Wheel, 1000 cycles	0.035g loss
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SURFACE HARDNESS:

Koenig Hardness Test	182 secs
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POT LIFE: *

45 minutes

TEMPERATURE RESISTANCE:

Continuous Exposure:	Up to 160°F
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VOC:

<50 g/l

SPEED OF CURE:

	50°F	70°F	90°F
Light Traffic	24 hrs	16 hrs	12 hrs
Full Traffic	36 hrs	24 hrs	16 hrs
Full Chemical Cure	14 days	7 days	72 hrs

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




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*Care must be taken to not use this system beyond it's potlife. A visible end point will not always be apparent.

Flowcoat ESD (20 - 25 mils)

A 100% solids, chemical resistant seamless epoxy floor coating system designed to dissipate electrostatic charge.

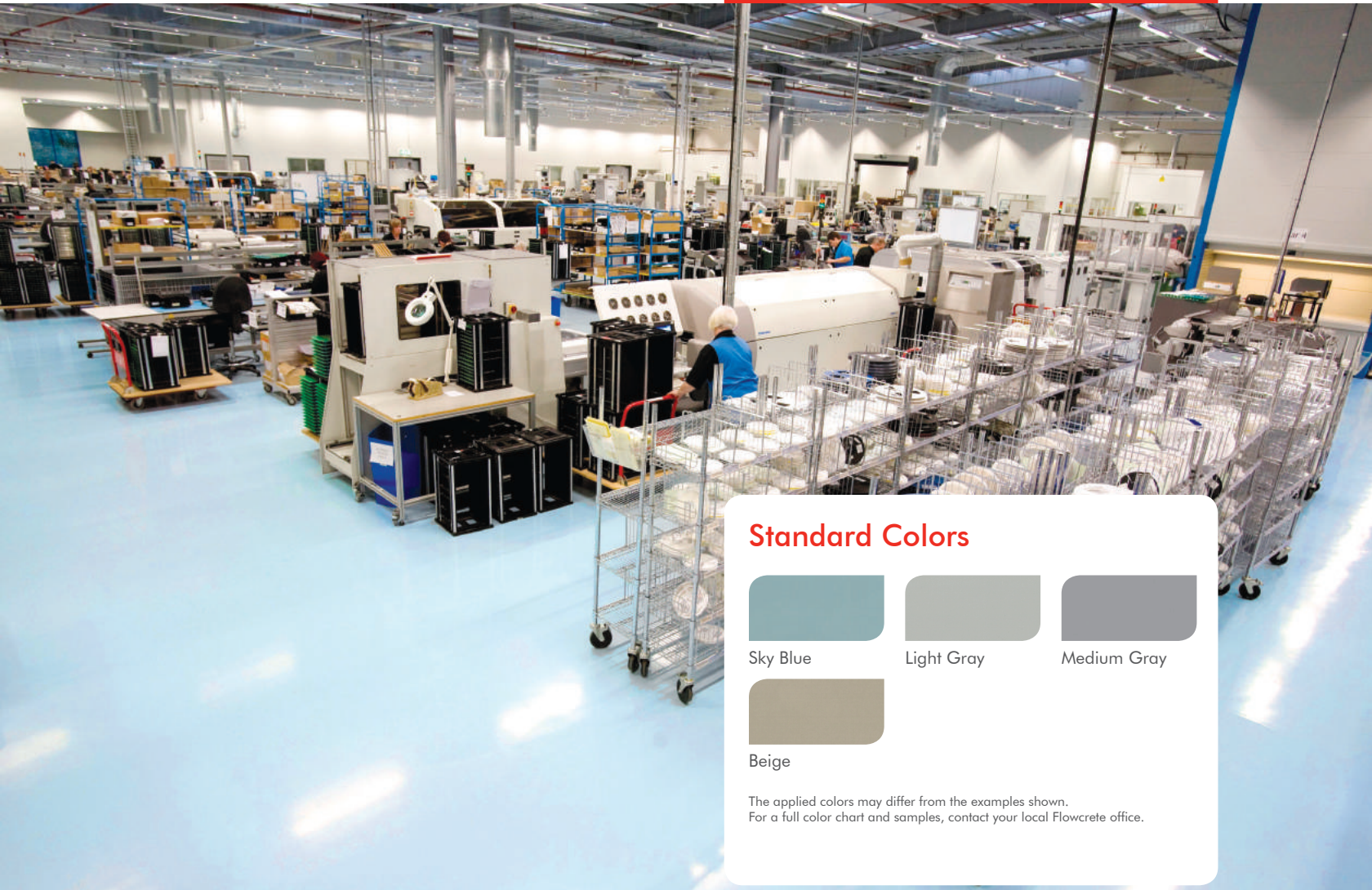
Flowcoat ESD provides a hardwearing, easily cleaned surface in sensitive electronic manufacturing environments.

- 
Electrostatic Dissipative:*
 Electrical resistance to ground less than 1×10^9 ohms.
- 
ANSI S20.20-2014 Compliant:
 Meets parameters derived from standard test methods for flooring outlined in S20.20.
- 
Low Body Voltage Values:
 Minimizes the charge created by movement of people and equipment.

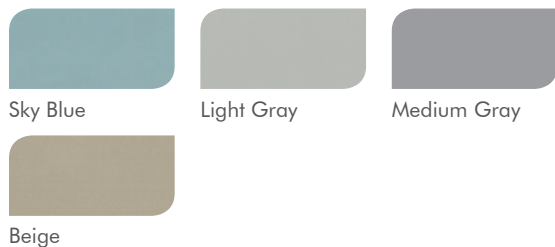
Technical Profile

COMPRESSIVE STRENGTH:	
ASTM C 579	>11,600 psi
FLEXURAL STRENGTH:	
ASTM C 580	8,700 psi
RESISTANCE TO GROUND:	
ANSI ESD STM 97.1	<1.0 x 10 ⁹ ohms
TYPICAL RESISTANCE TO GROUND:	
ANSI ESD STM 97.1	<3.5 x 10 ⁷ ohms
ABRASION RESISTANCE:	
ASTM D 4060 CS 17 Wheel, 1000 cycles	0.06g loss
SLIP RESISTANCE:	
BS 7976-2	Dry : 80 Wet : Dependent on specification
TEMPERATURE RESISTANCE:	
Continuous Exposure:	160°F
VOC:	20 g/l

*To be used in conjunction with suitable ESD footwear.



Standard Colors



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

Flowcoat HTS (25 mils)

A durable polyurethane floor coating system characterized by high abrasion and chemical resistance.

Flowcoat HTS is a high-solids, low odor and UV light stable flooring system designed for areas subject to heavy traffic.



Wear Resistant:

Excellent abrasion and wear resistance in high traffic areas.



Chemical Resistant:

Protects against a range of acids, alkalis, solvents, alcohol, sanitizers and fuel.



UV Resistant:

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

Technical Profile

TENSILE STRENGTH:

ASTM D 638	>2,150 psi
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TENSILE ELONGATION:

ASTM D 638	5%
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SLIP RESISTANCE:

PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry: 70 Wet : Dependent on specification
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ABRASION RESISTANCE:

ASTM D 4060 CS 17 Wheel, 1000 cycles	0.010g loss
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BOND STRENGTH:

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

SURFACE HARDNESS:

Koenig Hardness Test	>180 secs
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TEMPERATURE RESISTANCE:

Continuous Exposure:	Up to 160°F
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VOC (FLOWSEAL UV)

<100g/l



Standard Colors:



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



Standard Colors:



Flowcoat SF41 (25 - 30 mils)

A time-proven, cost-effective and wear resistant epoxy floor coating system with adjustable anti-slip properties.

Flowcoat SF41 offers high abrasion, slip and chemical resistance properties, the system is ideal for facilities subject to heavy processes.



Slip Resistant:

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



Chemical Resistant:

Protects against a range of acids, alkalis, solvents, alcohol, sanitizers and fuel.



Low Maintenance:

End of life surfaces can be over-coated with minimal surface preparation.

Technical Profile

COMPRESSIVE STRENGTH:	
ASTM C 579	>10,500 psi
TENSILE STRENGTH:	
ASTM D 638	>2,100 psi
FLEXURAL STRENGTH:	
ASTM C 580	>8,700 psi
SLIP RESISTANCE:	
PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry: 60 Wet: Dependent on specification
ABRASION RESISTANCE:	
ASTM D 4060 CS 17 Wheel, 1000 cycles	0.080g loss
SURFACE HARDNESS:	
Koenig Hardness Test	>180 secs
TEMPERATURE RESISTANCE:	
Continuous Exposure:	Up to 150°F
VOC:	12 g/l

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

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Standard Colors:



Flowcoat SF41 HCS (35 mils)

A chemical resistant epoxy floor coating system designed for use in aircraft hangars.



Chemical Resistant:

Protects against alkalis, hydraulic fluids, battery acid and jet fuel including Skydrol.



Slip Resistant:

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



Wear Resistant:

Excellent abrasion, impact and wear resistance in high traffic areas.



Low Maintenance:

Easy cleaning and end of life surfaces can be over-coated with low preparation.

Technical Profile

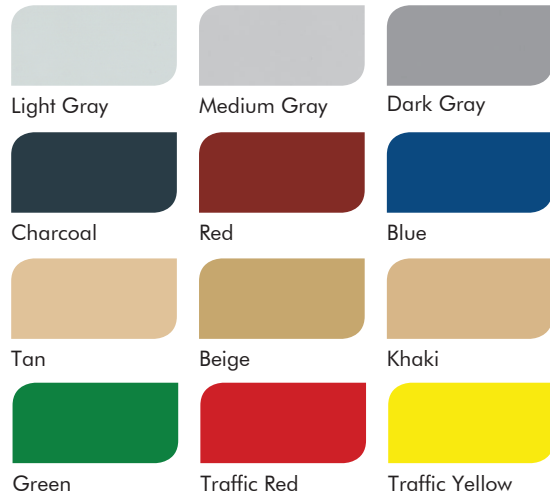
COMPRESSIVE STRENGTH:	
ASTM C 579	>10,500 psi
TENSILE STRENGTH:	
ASTM D 638	>2,100 psi
FLEXURAL STRENGTH:	
ASTM C 580	>8,700 psi
SLIP RESISTANCE:	
PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry: 60 Wet: Dependent on specification
ABRASION RESISTANCE:	
ASTM D 4060 CS 17 Wheel, 1000 cycles	0.010g loss
SURFACE HARDNESS:	
Koenig Hardness Test	>180 secs
TEMPERATURE RESISTANCE:	
Continuous Exposure:	Up to 150°F
VOC:	12 g/l

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

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Standard Colors:



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

Flowcoat OP (25 - 30 mils)

A durable and chemical resistant epoxy floor coating system with a unique and consistent orange-peel finish.



Orange Peel Effect:

Designed to create a consistent orange peel effect across the surface of the floor.



Cost Effective:

Offers an excellent balance between speed, cost and quality.



Chemical Resistant:

Protects against a range of acids, alkalis, solvents, alcohol, sanitizers and fuel.



Low Maintenance:

End of life surfaces can be over-coated with minimal surface preparation.



Seamless & Easily Cleaned:

Seamless installation ensures dirt and dust are swiftly and easily cleaned away.

Technical Profile

COMPRESSIVE STRENGTH:

ASTM C 579	>10,500 psi
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FLEXURAL STRENGTH:

ASTM C 580	>8,700 psi
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TENSILE STRENGTH:

ASTM D 638	>2,100 psi
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SURFACE HARDNESS:

Koenig Hardness Test	<180 secs
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ABRASION RESISTANCE:

ASTM D 4060 CS 17 Wheel, 1000 cycles	0.065g loss
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SLIP RESISTANCE:

PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry : 65 Wet : Dependent on specification
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TEMPERATURE RESISTANCE:

Continuous Exposure:	Up to 150°F
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VOC:	12 g/l
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Flowseal PA

Flowseal PA is a clear, two component, fast curing UV stable and chemical resistant gloss Polyaspartic.

Provides extended working time compared to traditional Polyaspartic coatings. Designed for use as a fast curing UV stable sealer or receiving coat for flakes and quartz broadcast systems.



Fast Cure:

Fully operational in 3-4 hours. Fast cure options allow operation in 90 mins.



Seamless & Easily Cleaned:

Seamless installation ensures dirt and dust are swiftly and easily cleaned away.



Chemical Resistant:

Protects against food by-products, fats, hot oils, blood, sugar and acids.



Cost Effective:

Offers an excellent balance between speed, cost and quality.

Technical Profile

COVERAGE RATES:

100-110 sq ft/gal as lock coat on textured floors
200-250 sq ft/gal on non-textured floors

ELONGATION AT BREAK:

ATSM D638 10%

ABRASION RESISTANCE:

ATSM D4060/CS17 Wheels 50 mg loss

VOC: 80 g/l

Flowseal PA over Quartz Broadcast





Standard Colors:



Flowtex (3/16" - 1/4")

A trowel applied epoxy floor mortar with excellent durability, abrasion resistance and ease of application.

Flowtex offers excellent wear, scratch and chemical resistance to deliver a robust surface in heavy-duty processing environments.



Easily Applied:

Special sand blends ensures the material is easy to trowel and close.



Wear Resistant:

Excellent abrasion, impact and scratch resistance in high traffic areas.



Chemical Resistant:

Protects against a range of acids, alkalis, solvents, alcohol, sanitizers and fuel.

Technical Profile

COMPRESSIVE STRENGTH:

ASTM C 579	>10,500 psi
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TENSILE STRENGTH:

ASTM C 307	>1,600 psi
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FLEXURAL STRENGTH:

ASTM C 580	>4,200 psi
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FLEXURAL MODULES OF ELASTICITY:

ASTM D 790	2.01 x 10 ⁶ psi
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SLIP RESISTANCE:

PTV BS 7976-2 (Using TRRL Rubber Slider)	Dry: 70 Wet: Dependent on specification
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IMPACT RESISTANCE:

ISO 6272	2.2 lb weight > 70 inch 4.4 lb weight > 59 inch
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TEMPERATURE RESISTANCE:

Continuous Exposure:	Up to 140°F
Intermittent Spills:	Up to 200°F

VOC (FLOWCOAT SF41):	10 g/l
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The applied colors may differ from the examples shown.
For a full color chart and samples, contact your local Flowcrete office.



Standard Colors:



Flowfresh MF (3/16" - 1/4")

A self-leveling, International HACCP certified and smooth matte antimicrobial treated cementitious urethane floor system.

Flowfresh MF provides a vibrantly colored, easy clean floor finish, which is suited to use in medium duty dry-service zones including packaging areas.



Polygiene®:

Contains a silver ion antimicrobial additive to protect the surface.



Easily Cleaned:

Minimal surface joints ensure the floor is easy to clean and sanitize.



Chemical Resistant:

Protects against food by-products, fats, hot oils, blood, sugar and acids.

Technical Profile

COVERAGE RATES: (40 LB UNIT)

22 sq ft/unit at 3/16"
17 sq ft/unit at 1/4"

COMPRESSIVE STRENGTH:

ASTM C 579 >7,250 psi

TENSILE STRENGTH:

ASTM C 307 1,740 psi

COEFFICIENT OF THERMAL EXPANSION:

ASTM C531 2.2×10^{-5} in/in/°F

FLEXURAL STRENGTH:

ASTM C 580 2,900 psi

TEMPERATURE RESISTANCE:

Continuous Exposure: 180°F

Intermittent Spills: 200°F

VOC: 7 g/l

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

Flowfresh IF (3/8" - 1/2")

An exceptionally heavy duty, trowel applied and HACCP International certified iron filled cementitious urethane mortar.



Polygiene®:

Contains a silver ion antimicrobial additive to protect the surface.



Chemical Resistant:

Protects against food by-products, fats, hot oils, blood, sugar and acids.



Slip Resistant:

Positively textured profile to minimize slip risks in wet or damp areas.



Temperature Resistant:

Resistant to temperatures of up to 250°F and suitable for steam cleaning.



Easily Maintained:

Can be patch-repaired in-situ to minimize renovation costs.

Technical Profile

COVERAGE RATES: (62 LB UNIT)

14 sq ft/unit at 3/8"
10 sq ft/unit at 1/2"

COMPRESSIVE STRENGTH:

ASTM C 579 8,000 psi

TENSILE STRENGTH:

ASTM C 307 1,450 psi

COEFFICIENT OF THERMAL EXPANSION:

ASTM C531 1.1×10^{-5} in/in/°F

FLEXURAL STRENGTH:

ASTM C 580 2,900 psi

TEMPERATURE RESISTANCE:

Continuous Exposure: 220°F

Intermittent Spills: 250°F

VOC: 5 g/l

*To be used in conjunction with suitable ESD footwear.



Standard Colors:



Cream



Tan



Khaki



Red



Green



Blue



Grey



Dark Grey



Black



Safety Yellow

The applied colors may differ from the examples shown.
General wear on Safety Yellow may be more visible.
For a full color chart and samples, contact your local Flowcrete office.



Discover More...

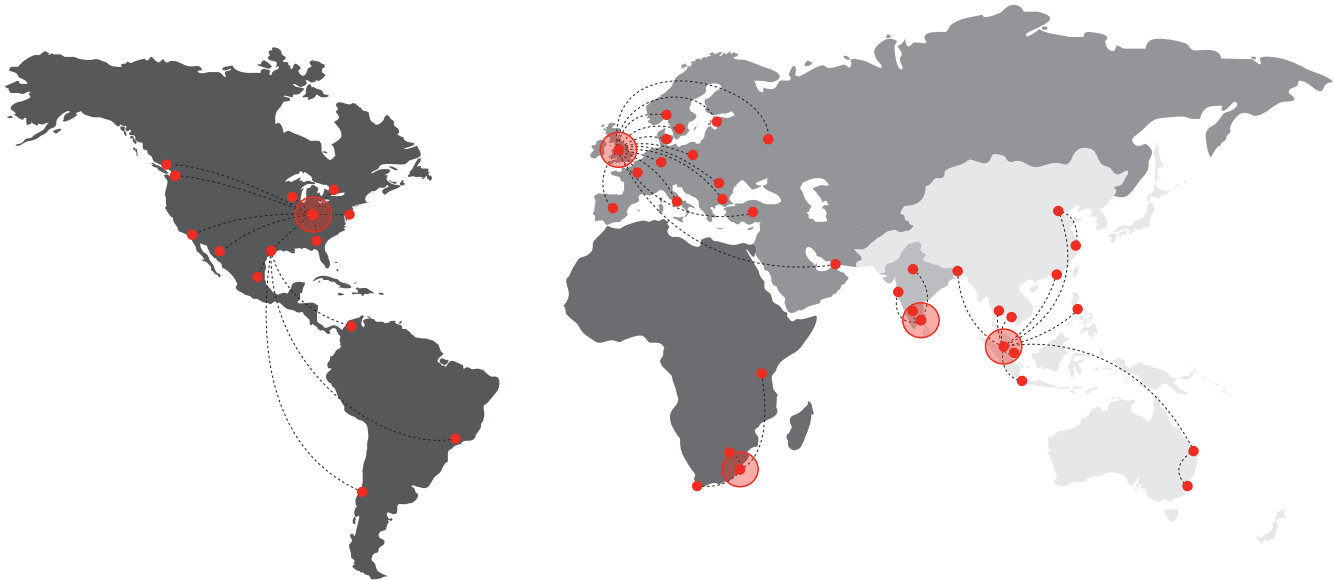
As the experts in specialty polymer flooring solutions, we offer technical information and specification advice to support you in selecting, installing and caring for the correct flooring choice for your needs.

✓	White Papers & Technical Testing
✓	Product Literature
✓	System Data Sheets
✓	Product Data Sheets
✓	Safety Data Sheets

Available at flowcreteamericas.com



Flowcrete
for the world at your feet



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.

Europe & Middle East

Baltic States	+48 883 303 880	latvia@flowcrete.com
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
Germany	+49 6119 016645	germany@flowcrete.com
Italy	+39 339 4853258	italy@flowcrete.com
Norway	+47 64 86 08 30	norway@flowcrete.com
Poland	+48 22 879 89 07	poland@flowcrete.com
Romania	+40 766 596 991	romania@flowcrete.com
Russia	+7 495 645 83 18	rus@flowcrete.com
Spain	+34 937 07 0872	spain@flowcrete.com
Sweden	+46 435 40 01 10	sweden@flowcrete.com
Turkey	+90 532 416 66 52	turkey@flowcrete.com
UAE	+971 4 886 4728	uae@flowcrete.com
UK	+44 1270 753 000	uk@flowcrete.com

Africa

East Africa	+254 20 682 1011	eastafrika@flowcrete.com
South Africa	+27 31 461 3411	southafrica@flowcrete.com

India

India	+91 44 4202 9831	india@flowcrete.com
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Asia Pacific

Australia	+61 7 3205 7115	australia@flowcrete.com
Bangladesh	+88 02 9857222	bangladesh@flowcrete.com
China	+86 10 8472 1912	china@flowcrete.com
Hong Kong	+852 2795 0478	hongkong@flowcrete.com
Indonesia	+62 21 252 3201	indonesia@flowcrete.com
Malaysia	+60 3 6277 9575	malaysia@flowcrete.com
Philippines	+63 917 514 2696	philippines@flowcrete.com
Singapore	+65 6848 7166	singapore@flowcrete.com
Thailand	+66 2539 3424	thailand@flowcrete.com
Vietnam	+84 8 6287 0846	vietnam@flowcrete.com

North & South America

Manufactured by Key Resin Company	+1 936 539 6700	sales@keyresin.com
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