

Flowcrete
for the world at your feet



HACCP Internationally Certified Polyurethane Cement flooring solutions for heavy industry and hygiene critical environments.

FLOWFRESH HYGIENIC RESIN FLOORING SOLUTIONS



APPLICATION SUITABILITY



Abattoirs



Bakeries & Confectionery



Bottling Plants & Breweries



Dairies & Hatcheries



Food Manufacturing



Food Preparation



Healthcare & Hospitality



Poultry & Seafood

HACCP International Certified Hygienic Flooring

A food and beverage processing floor is subject to constant traffic, impact damage due to equipment handling and often subject to attack from chemicals and corrosive ingredients.

Resin flooring systems ensure a non-porous, smooth and seamless surface, making it very difficult for microbes or mould to grow.

The Flowfresh range is HACCP Internationally certified, providing peace-of-mind that facilities have chosen a fit-for-purpose flooring solution.



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Flowfresh is a robust polyurethane cement flooring system designed to meet the unique demands of food and beverage manufacturing, processing and storage facilities. Its seamless, non-porous surface supports hygiene protocols by simplifying cleaning and minimizing contamination risks.

Proving that a building is able to meet a high standard of hygiene is essential in many sectors, especially contamination sensitive settings such as the food and beverage, pharmaceutical and electronics industries.

Based on polyurethane concrete, the key aspects of Flowfresh, making it an ultra-hygienic flooring system, include its seamless, impervious, highly durable nature combined with its ability to incorporate coving and stainless-steel drainage.

Flowfresh is also tested to ISO 22196, the international standard of evaluating antibacterial activity on non-porous surfaces.

Resistance Chart

BACTERIAL RESISTANCE

MRSA	✓	Enterococcus Faecalis	✓
E-coli	✓	Staphylococcus Aureus	✓
Listeria	✓	Streptococcus Pyogenes	✓
Proteus Vulgaris	✓	Pseudomonas Aeruginosa	✓
Salmonella Typhi	✓	Campylobacter	✓

CHEMICAL RESISTANCE*

Hydrochloric Acid	✓	Methanol	✓
Sulphuric Acid	✓	Sugar Syrups	✓
Citric Acid	✓	Caustic Soda	✓
Acetic Acid	✓	Petrol	✓
Lactic Acid	✓	Oil Ingredients	✓
Phosphoric Acid	✓	Detergents	✓

*A chemical resistance chart is available on request.



SYSTEM

COMPONENTS

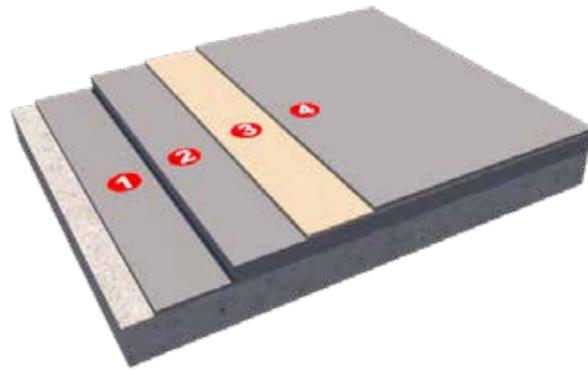
	DESCRIPTION	USES
Flowfresh Primer	A 3-component, water-based, polyurethane primer for concrete and cementitious substrates. Flowfresh Primer will bond to surface dry substrates that have a Relative Humidity up to 97% (ASTM F2170 (AS1884:2012)).	For priming concrete and screeds, prior to overcoating with the Flowfresh flooring system.
Flowfresh SL	3-component, polyurethane cement base coat for the Flowfresh Range.	Used as a base coat to Flowfresh flooring systems e.g. Flowfresh SR.
Flowfresh Coating Satin	3-component, semi-gloss polyurethane cement sealer with low odour.	Used as a sealer to Flowfresh flooring systems e.g. Flowfresh SR.
Flowfresh Sealer	2-component, full gloss polyurethane sealer with low odour.	Used as a sealer to Flowfresh flooring systems e.g. Flowfresh SR.
Flowfresh Coating	3-component, matte polyurethane cement sealer with low odour.	Used as a sealer to Flowfresh flooring systems e.g. Flowfresh SR.



SYSTEM BUILD UPS



Flowfresh SR 4-9mm Satin



A heavy duty, polyurethane resin floor system offering an anti-slip, chemical resistant and easy to clean textured satin finish.

- 1 Flowfresh Primer
- 2 Flowfresh SL
- 3 Aggregate Layer
- 4 Flowfresh Coating Satin

Best suited to wet processing zones such as food manufacturing, preparation areas, commercial kitchens and chemical processing plants.



Hygienic:
HACCP Internationally Certified.



Thermal Resistant:
4mm between -5 to 80°C.
6mm between -15 to 100°C.
9mm between -40 to 120°C.

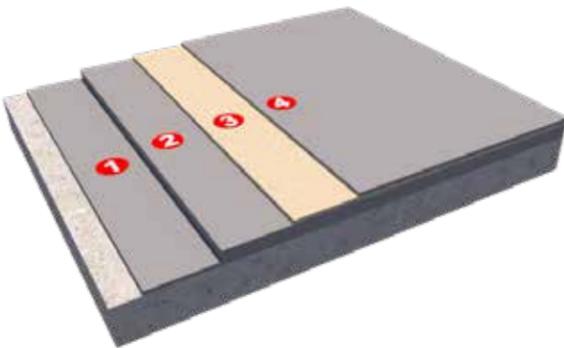


Slip Resistant:
Impressive anti-slip profile in dry and wet conditions.



Easy to Clean:
Easy to clean solution thanks to its satin finish.

Flowfresh SR 4-9mm Matte



A matte finished, chemically resistant and durable polyurethane cement flooring system with positively textured profile underfoot.

- 1 Flowfresh Primer
- 2 Flowfresh SL
- 3 Aggregate Layer
- 4 Flowfresh Coating

Best suited to wet processing zones subjected to high volumes of foot traffic.



Hygienic:
HACCP Internationally Certified.



Thermal Resistant:
4mm between -5 to 80°C.
6mm between -15 to 100°C.
9mm between -40 to 120°C.

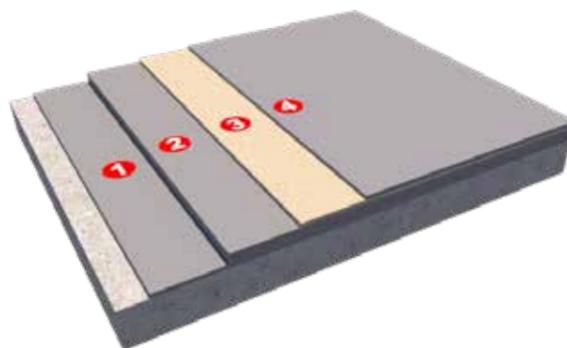


Slip Resistant:
Impressive anti-slip profile in dry and wet conditions.



Chemical Resistant:
Resistant against a wide range of commonly used chemicals.

Flowfresh SR 4-6mm Gloss



A glossy, heavy-duty hybrid polyurethane cement flooring solution, with a positively textured slip resistant finish.

- 1 Flowfresh Primer
- 2 Flowfresh SL
- 3 Aggregate Layer
- 4 Flowfresh Sealer

Best suited to heavy duty wet processing areas that require a glossy finish.



Hygienic:
HACCP Internationally Certified.



Thermal Resistant:
Resistant to temperatures:
4mm between 0 to 65°C.
6mm between 0 to 80°C.



Slip Resistant:
Impressive anti-slip profile in dry and wet conditions.



Attractive Finish:
High gloss sealer delivers the wow factor.



SYSTEM BUILD UPS

Flowfresh SL 3-4mm

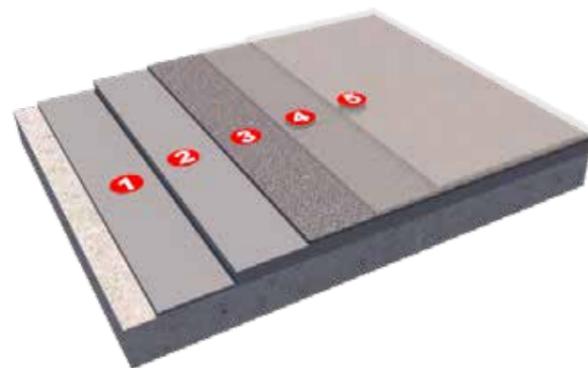


A pigmented, self-smoothing, chemical resistant, polyurethane resin-based floor finish.

- 1 Flowfresh Primer
- 2 Flowfresh SL

Best suited to packaging areas and processing zones subject to light-medium foot and wheeled traffic.

Flowfresh SRQ 4-6mm



A heavy duty, chemical resistant and hygienic hybrid resin flooring system with a decorative coloured quartz finish.

- 1 Flowfresh Primer
- 2 Flowfresh SL
- 3 Coloured Quartz Layer
- 4 Flowfast 319 Flexible Sealer
- 5 Flowfast 319 Flexible Sealer

Best suited to internal wet processing and food preparation areas that require a rapid curing solution.



Hygienic:
HACCP Internationally Certified.



Thermal Resistant:
3mm from -5°C to 80°C.



Chemical Resistant:
Protects against the majority of acids used in manufacturing processes.



Durable:
Holds its own against impact, traffic and chemical attack.



Rapid Curing:
MMA additives speed up cure time, reducing construction schedules.



Thermal Resistant:
Tolerant of sustained temperatures up to 70°C.



Resistant:
Holds its own against impact, traffic and chemical attack.



Slip Resistant:
Provides slip resistance for traction underfoot.



CONCRETE REPAIR SOLUTIONS



EUCLID CHEMICAL

TECHNICAL PROFILE

GEL TIME:	
25 - 30 Seconds	
TRAFFIC READY TIME:	
Light Traffic: 1 Hour	Heavy Traffic: 2 Hours
SHORE D HARDNESS:	
ASTM D2240	34 to 36
SHORE A HARDNESS:	
ASTM D2240	84 to 88
TENSILE STRENGTH AT 7 DAYS:	
ASTM D412	4.6 MPa
ELONGATION AT 7 DAYS:	
ASTM D412	220% to 260%

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

USAGE/PURPOSE

- Concrete construction & control joints.
- Crack and joint repair for old floors.
- Industrial and commercial floors.
- Freezer floors.

EUCO QWIKJOINT UVR



UV-Resistant Polyurea Floor Joint Filler

EUCO QWIKjoint UVR represents a new generation of polyurea technology with features and benefits unlike any other polyurea joint filler on the market. It resists fading from ultraviolet light greater than any existing product. It is a fast setting, semi-rigid polyurea, primarily used for filling construction and control joints in industrial and commercial concrete floors. It can be shaved flush with the floor shortly after placement or up to 24 hours later. It supports and protects joint edges from heavy loads and wheel traffic, reducing spalling of the joint edges.



Unparalleled UV resistance.



Fast setting formula reduces downtime.



Tough performance reduces floor joint repairs and maintenance.



TECHNICAL PROFILE

CONSISTENCY:		
ASTM C881	6.4 mm	
POT LIFE:		
ASTM C881	13 Minutes	
GEL TIME (60G MASS):		
ASTM C881		
Class A - 3°C: 38 Minutes	Class B - 10°C: 20 Minutes	Class C - 24°C: 14 Minutes
BOND STRENGTH:		
ASTM C882 - 2 Days		
Class A - 3°C: 19.7 MPa	Class B - 10°C: 22.8 MPa	Class C - 24°C: 24.7 MPa
ASTM C882 - 14 Days		
Class A - 3°C: 19.2 MPa	Class B - 10°C: 28.2 MPa	Class C - 24°C: 27.2 MPa

*Pot life is measured as the workable time of 3.8 L of DURAL HS GEL when mixed at 24°C.

DURAL HS GEL



High Strength Epoxy Gel for Anchoring and Doweling

DURAL HS GEL is a two-component, 1:1 mix structural epoxy designed for repair of isolated substrate defects, anchoring and doweling. Usable in temperatures from 4 to 43°C. Tested per ASTM E488 and E1512, it resists static, dynamic, and wind loads in uncracked concrete for threaded rod and rebar.

- Pick-proof sealant for jails/prisons and kennels.
- General purpose epoxy adhesive.
- Setting of injection ports and sealing cracks for crack injection.

TECHNICAL PROFILE

COMPRESSIVE STRENGTH:		
ASTM C109		
3 Hrs: 20 MPa	1 Day: 40 MPa	
7 Days: 55 MPa	28 Days: <65 MPa	
FLEXURAL STRENGTH:		
ASTM C348		
1 Day: 3.7 MPa	7 Days: 6.9 MPa	28 Days: 7.6 MPa
SPLIT TENSILE STRENGTH:		
ASTM C496		
7 Days: 2.1 MPa	28 Days: 3.3 MPa	
SLANT SHEAR BOND STRENGTH:		
ASTM C882		
1 Day: 10.3 MPa	7 Days: 14.5 MPa	28 Days: 19.3 MPa

*Compressive strength results published above are typical based on laboratory testing using 50mm cubes and tested at 11% water. Variations of these results can be expected if alternative sample sizes, or test methodology is used.

VERSASPEED LS100



Rapid Hardening Repair Mortar With Extended Working Time

VERSASPEED LS100 is a single-component, rapid-strength repair mortar for horizontal and form-and-pour projects. Just add water for easy use on 6mm to 150mm thick repairs. It offers fast turnaround, corrosion protection, and low chloride permeability.

- Overcoat with moisture sensitive coatings after 5 hours @ 21°C.
- Suitable for interior or exterior applications.
- Open to light duty traffic in as little as 4 hours.

EUCO QWIKSTITCH



Rapid Setting Polyurethane Hybrid Crack and Spall Repair

EUCO QWIKstitch is a fast-curing, ultra-low viscosity hybrid urethane for concrete crack repair. Mixed with aggregate, it forms a durable mortar ideal for quick pavement repairs, even in temperatures as low as -18°C.

- Low VOC and no solvent odour.
- Can be used for concrete & asphalt repairs.
- Very fast cure time. Can be opened to traffic in as little as 30 minutes.

TECHNICAL PROFILE

COMPRESSIVE STRENGTH (MORTAR):		
ASTM C579B		
1.5 Hrs: 28 MPa	24 Hrs: 42 MPa	7 Days: 45 MPa +
COMPRESSIVE STRENGTH (NEAT RESIN):		
ASTM D695		
1.5 Hrs: 31.7 MPa	24 Hrs: 34.8 MPa	
TENSILE STRENGTH:		
ASTM D638		
7 Days: 23.5 MPa		
GEL TIME / WORKING TIME:		
2 to 3 Minutes		
TACK FREE TIME:		
10 Minutes		
VOC CONTENT:		
19 g/L		

EUCOCRETE HBM



Thixotropic High Build Repair, Construction & Waterproofing Mortar

Eucocrete HBM is a high-strength, fiber-reinforced, chemical-resistant mortar for repairing and protecting vertical, overhead, and horizontal concrete, as well as embedded steel.

- Excellent abrasion resistance and durability.
- Life span greater than 10 years if applied correctly.
- Waterproof, highly impermeable.

TECHNICAL PROFILE

DETERMINATION OF COMPRESSIVE STRENGTH:	
UNE-EN 12190:1999	57.6 N/mm ² (Class R4)
CARBONATION RESISTANCE:	
UNE-EN 13295:2005	Dk ≤ reference concrete MC (0.45)
ELASTIC MODULUS:	
UNE-EN 13412:2008	23.8 GPa
CHLORIDE ION CONTENT:	
UNE-EN 1015-17:2000	<0.01%
CAPILLARY ABSORPTION:	
UNE-EN 13057:2002	0.2 kg/(m ² x h ^{0.5})
COEFFICIENT OF THERMAL EXPANSION:	
UNE-EN 1770:1990	14.2 μm/m °C
WORKING TIME AT AMBIENT (21°C):	
30 Minutes	

Finish colours can be achieved in either standardised RAL or AS2700 colour ranges. Our flooring solutions also feature a variety of sand colour options, allowing you to achieve the perfect texture and aesthetic.



At Tremco Construction Products Group (CPG) Australia, we're committed to shaping the future through innovative approaches and sustainable solutions. This commitment is backed up by the fact that we bring together first-class technology with a customer focused approach, along with skills that have been built up over multiple decades within very specialised fields across the Pacific, to provide a truly unique service.

Delivering World-Class Construction Product Solutions.

The product brands housed within Tremco CPG Australia cover a wide array of different construction needs and provide a wealth of complex services, support and systems that are rarely found together under one roof.



Window Insulation, Façade Construction, Exterior Insulation & EIFS, Structural & Inplant Glazing



Intumescent Coatings, Sustainable Vermiculite Alternatives



Seamless Resin Flooring, Subfloor Preparation, Car Parking Structures



Potable & Waste Water Industry, Balconies, Terraces, Basements & Foundations



Liquid Applied Systems, Felt Systems, Vegetated Roofing

The Pacific's leading construction products brands...



Part of



Construction Products Group

Tremco CPG Australia HQ
12/4 Southridge Street,
Eastern Creek NSW 2766
Australia

T: 1800 318 038

Exclusive NZ Distributor,

ALTEX COATINGS LTD

91-111 Oropi Road Greerton
Tauranga 3112
New Zealand

T: +64 7 541 1221



www.flowcretepacific.com



flowcrete@tremco.com.au



youtube.com/@tremcocpgaustralia



[/company/flowcreteaustralia](https://company/flowcreteaustralia)