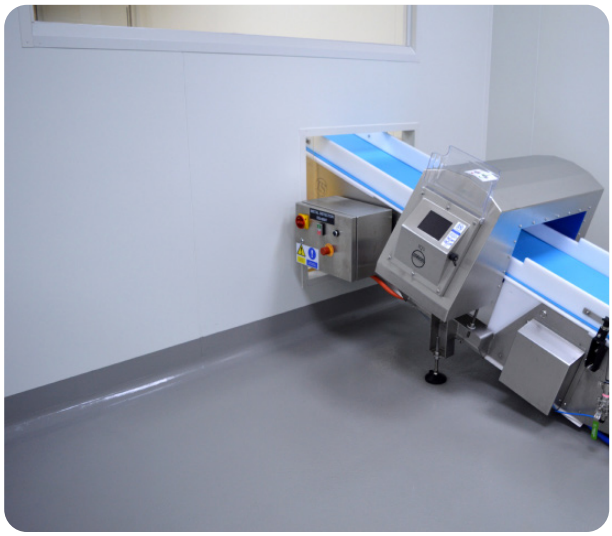
Flowcrete
for the world at your feet

Flowfresh SR Gloss (6mm)

A hard-wearing, chemical resistant, hygienic polyurethane resin system containing Polygiene® featuring a positively textured gloss finish.

Typically used in wet processing areas or food preparation zones.



Antimicrobial:
Contains Polygiene® additive that kills up to 99.9% of bacteria.

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

HACCP Certified:
HACCP Internationally certified for hygienic peace-of-mind.

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

Polygiene® Safer to Touch

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°C to 80°C			
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.

Terracotta | Serpentine | Bluebell | Light Grey Blue

Mushroom | Light Grey | Bridge Grey | Dark Grey

Straw

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

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Flowcrete is represented by Altex Coatings Ltd in New Zealand.

www.flowcrete.co.nz

Coving

Coving can form an integral part of the flooring system. It creates a sealed finish between the floor and wall joint. Please refer to Flowtex F1 Coving Mortar for further information.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry to 95% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place.

Anchor Grooves

8mm x 8mm anchor grooves are required to be cut into the substrate, 100mm from any walls, drains, joints, doorways, penetrations, columns, or any other terminations.

Installation Service

The installation should be carried out by a qualified contractor with a documented quality assurance scheme. For details of our recommended contractors, contact your local Flowcrete office. Detailed application instructions are available upon request.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture of the products by Flowcrete staff.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Please refer to Flowcrete's Cleaning & Maintenance Guide for further information.

Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Safety Precautions

Wear appropriate Personal Protective Equipment (PPE) including masks, gloves, eye protection and protective clothing during mixing and application. Ensure the working area is well ventilated and follow the appropriate Health and Safety guidelines applicable to the location where the application is undertaken.

Important

This specification assumes a concrete compressive strength greater than 25 N/mm², application and curing temperatures of 5–35°C, the presence of an effective damp proof membrane below substrate and concrete moisture content less than 95% RH. If moisture content is above 95% RH, please contact Flowcrete Australia.

This specification must be read in conjunction with relevant product technical data sheets and the application of all materials is to be strictly in accordance with manufacturer's instructions..

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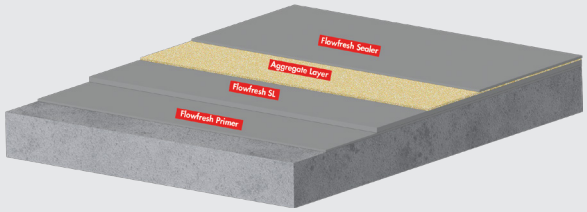
Model Specification

System	Flowfresh SR
Finish	Gloss
Thickness	6mm
Manufacturer	Tremco CPG Australia Pty Ltd
Contact	+ 61 7 3205 7115

Preparatory work and application in accordance with manufacturer's instructions.

System Design



Products Included In This System

Layer 1	Flowfresh Coating *Only If Required for Porous Surfaces
Layer 2	Flowfresh SL
	Aggregate Scatter
Layer 3	Flowfresh Sealer

Distributor Details

Distributor	Altex Coatings Ltd
Address	91-111 Oropi Road Greerton
Suburb	Tauranga
Country	New Zealand
Postcode	3112
Telephone	+64 7 541 1221
Email	nzweb@flowcrete.com

Outline for Installation

Mechanically Prepare Substrate	
Apply Flowfresh Coating	@ 0.2-0.4kg/m²
*Primer only if required for porous substrates.	
Apply Flowfresh SL	@ 7.2kg/m²
Full Broadcast Quartz Scatter * Based on 0.6mm-1.0mm Aggregate	@ 4kg/m²
Apply Flowfresh Sealer	@ 0.75kg/m²

Storage

Time	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Material Set-Up

Before commencing work ensure that your material is set-up by separating all components (e.g. Base A, Hardener B, Filler C etc.) to ensure that all material is correct. Check product labels and ensure there are equal amounts of product.

Site Set-Up

Before commencing work ensure that your site is set-up. Mark the floor according to the specification with masking tape or similar to clearly identify what area (m²) each unit will cover. If this is not achieved (greater or less consumption than the specified amount) immediately stop and contact Flowcrete.

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Application Equipment

The use of correct application equipment is critical as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work.

The following equipment is recommended for this application.

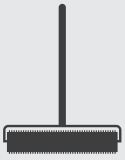
10-12mm Nap Roller
*Do not use Microfibre

Spike Shoes

Slow Speed Drill with Helical Mixer Head

Squeegee

Pin Rake



Spike Roller

Steel Trowel

Surface Preparation

Concrete should be finished by steel trowel. Surface preparation is to be completed by totally enclosed light shot blasting (please note this may leave track and blast lines which will not be covered) or diamond grinding to a minimum CSP4 prior to any coating application. For proper methods, refer to ICRI's Technical Guideline No. 03732. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment.

Any damaged areas must be repaired with Flowtex F1 mortar. Consult Flowcrete prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Flowcoat SC (Universal Resin Base A, Universal Hardener B, Sand/Flour).

Application Temperature

The recommended material and substrate temperature is 5 - 35°C, but no less than 5°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Temperatures should not fall below 5°C in the 24hrs after application.

Application / Pot Life

Ready-mixed product should be used within 20 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

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Application of Flowfresh Coating

*Only Required for Porous Surfaces

The substrate must be surface dry before the application of Flowfresh Coating.

1. Mixing Flowfresh Coating

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs.

Stir Base A to re-disperse any settlement and decant into a clean container. Add Filler C to Base A and mix until uniform. Add Hardener B to the Base A, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add between 2 - 7% Xylene (if required depending on conditions) and mix for a further 30 seconds.

2. Application

Immediately after mixing, apply the Flowfresh Coating by squeegee and/or roller. Allow to cure for a minimum of 8 hours at 20°C.

Application of Flowfresh SL

The substrate must be surface dry before the application of Flowfresh SL.

Flowfresh SL must be applied within 24 hours @ 20°C following the application of Flowfresh Coating.

1. Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however, if supplied in bulk packaging this must be completed by weight using digital scales.

1.A Mixing Flowfresh SL (Bulk Packaging)

Stir Base A (17.292kg) to re-disperse any settlement. Add Pigment (1.2kg) and mix until uniform. Transfer to a Portamix Mega Hippo mixing container. Add Hardener B (18kg) to the mixing container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C (6 x 11.938kg) and add additional 12kg of 16/30 Silica Sand (1mm Nominal) to mixing container and mix until uniform.

If smaller mixes are required, decant Part A and Hardener B using digital scales to the required weight.

1.B Mixing Flowfresh SL (Prepacked)

Stir Base A (2.882kg) to re-disperse any settlement. Transfer to a clean container. Add Pigment (0.2kg) and mix until uniform. Add Hardener B (3kg) to the mixing container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C (11.938kg) and add additional 2kg of 16/30 Silica Sand (1mm Nominal) to mixing container and mix until uniform.

2. Application

Immediately after mixing, apply the Flowfresh SL by pin rake to the required thickness and finish with a steel trowel. Immediately after application spike roll the surface to assist with levelling the material and to release any entrapped air. Late spike rolling of the material can result in surface defects. Within 10 minutes (at 20°C) fully broadcast the surface to refusal with the non slip aggregate.

Prior to application of Flowfresh Sealer, sweep and vacuum excess and loose aggregates.

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Application of Flowfresh Sealer

The previous coat must be surface dry before the application of Flowfresh Sealer.

1. Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs.

Stir Base A to re-disperse any settlement. Add Pigment to the Base A and mix until uniform. Add Hardener B to the Base A, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add between 2 - 7% Xylene (if required depending on conditions) and mix for a further 30 seconds.

2. Application

Immediately after mixing, apply the Flowfresh Sealer by squeegee and/or roller. Allow to cure for a minimum of 8 hours at 20°C.

Cleaning

Tools and equipment can be cleaned with MEK/Acetone/Xylene. Please refer to SDS when using solvents.

Trafficking

Allow to cure for a minimum of 24 hours at temperatures no less than 20°C before foot traffic and 72 hours before vehicular traffic.

Note

When printed or saved externally, this document is uncontrolled and therefore may not be the latest version. Any recommendation or suggestion relating to the use of the products made by Tremco CPG Australia Pty Ltd., whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

Additional Notes

1. Maximum overcoat time is 24 hours at 20°C if primer is required.
2. The product has reached full cure after 7 days at 20°C.
3. The applied colours may differ from the examples shown.
4. Flowcrete assumes no responsibility for the application of incorrect colour.
5. It is the applicators responsibility to verify accuracy of colour prior to application. Flowcrete does not bear any responsibility or accept claims for incorrect colour after application of material.
6. This system is not UV stable and will discolour unless otherwise stated.
7. Do not cover or wash within the first 36 hours of curing at 20°C.
8. This system should be installed at 3°C above the dew point.
9. Please ensure application temperature and RH limits are followed.
10. Wind or strong airflow may cause quick curing and drying of the system.
11. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
12. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
13. 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

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