



ALTEX COATINGS LTD

Altex Coatings is an authorised distributor of Flowcrete Australia in New Zealand.



FLOWFRESH

Antimicrobial flooring for:

- ✓ Food & Beverage Production
- ✓ Bakeries
- ✓ Meat & Fish Processing
- ✓ Food Preparation
- ✓ Healthcare & Pharmaceutical
- ✓ Dairies



Flowfresh Range Technical Profile



Flowfresh represents a new generation of performance antimicrobial flooring based on the use of silver in partnership with Polygiene® that kills up to 99.9% of bacteria on contact.

Silver is a natural element known for its ability to purify and protect from bacterial infections – and provides an attractive, environmentally friendly alternative to chemically manufactured antimicrobials.

Offering total protection, a continuous migration of silver ions are delivered to the contact surface from where they attack gram positive and gram negative bacteria and viruses. This technology remains active for the lifetime of the floor, even when damaged or worn unlike coatings or surface treatments.

Application Suitability



Food Manufacturing



Beverage Production



Meat & Fish



Bakeries



Food Preparation



Healthcare



Pharmaceutical



Dairies



Resistance Chart

BACTERIAL RESISTANCE

SARS-CoV	✓	Salmonella Typhi	✓
MRSA	✓	Enterococcus Faecalis	✓
E-coli	✓	Staphylococcus Aureus	✓
Listeria	✓	Streptococcus Pyogenes	✓
C.difficile	✓	Pseudomonas Aeruginosa	✓
Proteus Vulgaris	✓	Campila Bacta	✓

CHEMICAL RESISTANCE*

Hydrochloric Acid 10%	✓	Methanol	✓
Sulphuric Acid 10%	✓	Sugar Syrups	✓
Citric Acid 10%	✓	Caustic Soda	✓
Acetic Acid 5%	✓	Petrol	✓
Lactic Acid 10%	✓	Oil Ingredients	✓
Phosphoric Acid 5%	✓	Detergents	✓

*A chemical resistance chart is available on request.



System Components

	DESCRIPTION	USES
Flowfresh Primer	3-component, polyurethane scratch coat/primer for concrete and cementitious substrates. Flowfresh Primer will bond to surface dry substrates that have a Relative Humidity up to 95% (to BS 8204).	For priming concrete and screeds, prior to overcoating with the Flowfresh flooring system.
Flowfresh Coating	3-component, matt polyurethane cement sealer with low odour.	Used as a sealer to Flowfresh flooring systems e.g. Flowfresh SR system.
Flowfresh FCUV	3-component, UV light stable, semi-gloss polyurethane cement sealer with low odour.	Used as a UV stable sealer to Flowfresh flooring systems e.g. Flowfresh SR system.
Flowfresh Sealer	2-component, full gloss polyurethane cement sealer with low odour.	Used as a sealer to Flowfresh flooring systems e.g. Flowfresh SR system.

Flowfresh SL

(2.5mm)



Self-smoothing polyurethane resin floor finish containing Polygiene®, for use in dry or semi wet areas subject to light-medium traffic.

Best suited to packaging areas and processing zones subject to light-medium foot and wheeled traffic, these trowel applied systems deliver a seamless joint-free smooth matt finish.



Hygienic:

Contains Polygiene® - an antimicrobial additive that kills up to 99.9% bacteria.



Easy to Clean:

The self smoothing finish is easy to maintain and sterilise.



Chemical Resistant:

Protects against attack from chemicals and corrosive ingredients.



Abrasion Resistant:

Holds its own against impact, sustained footfall and trolley traffic.



UV Stable:

UV light stable grade is available to prevent from yellowing effect.

Colours



Rich Cream



Warm Buff



Coral Red



Clay



Pewter Grey



Signal Green



Ash Grey



Blue

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

From 5°C to 65°C

WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

FIRE RESISTANCE

BS 476-7
Surface spread of flame

Class 2

SLIP RESISTANCE

TRRL Pendulum Slip Test

Dry 70, Wet 25

ABRASION RESISTANCE

Taber Abrader

0.1g loss per 1000 cycles
(1kg load using CS17 wheels)

COMPRESSIVE STRENGTH

BS 6319

55 N/mm²

FLEXURAL STRENGTH

BS 6319

20 N/mm²

TENSILE STRENGTH

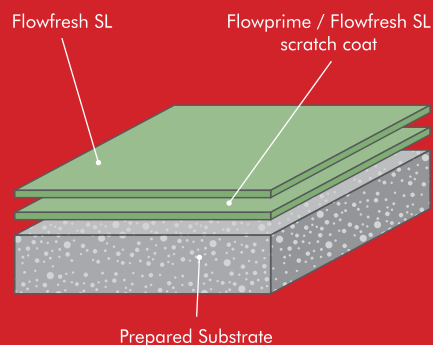
BS 6319

12 N/mm²

BOND STRENGTH

>1.5 MPa*

SPEED OF CURE	10 °C	20 °C	30 °C
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	6 days



*Assumes concrete compressive strength is greater than 25 N/mm²



Application Suitability

Light - Medium Traffic	✓
Medium - Heavy Traffic	✓
Industrial Kitchens / Semi Dry Areas	✓
Packaging Areas	✓
Loading Bays	✓
Laboratories / Quality Control	✓
Dispensaries	✓
Cold Stores / Freezers	



Application Suitability

Light - Medium Traffic	✓
Medium - Heavy Traffic	✓
Industrial Kitchens / Semi Dry Areas	✓
Packaging Areas	✓
Loading Bays	✓
Laboratories / Quality Control	✓
Dispensaries	✓
Cold Stores / Freezers	



Flowfresh MF

(3–4mm)



A chemical resistant, polyurethane resin floor system containing Polygiene® with a smooth matt brightly coloured finish.

Flowfresh MF is a versatile system ideal for dry or semi-wet areas where cleanliness is key such as food or pharmaceutical packaging zones.



Hygienic:

Contains Polygiene® - an antimicrobial additive that kills up to 99.9% bacteria.



Thaw & Thermal Resistant:

Resistant to temperatures from -15°C up to 90°C.



Chemical Resistant:

Protects against attack from chemicals and corrosive ingredients.



Abrasion Resistant:

Holds its own against impact, sustained footfall and trolley traffic.



UV Stable:

UV light stable grade is available to prevent from yellowing effect.

Colours



Rich Cream



Warm Buff



Coral Red



Clay



Pewter Grey



Signal Green



Ash Grey



Blue

Technical Profile

TEMPERATURE RESISTANCE

3mm: From -5°C to 70°C
4mm: From -15°C to 90°C

WATER PERMEABILITY

Karsten Test Nil (Impermeable)

FIRE RESISTANCE

BS 476-7
Surface spread of flame Class 2

SLIP RESISTANCE

TRRL Pendulum Slip Test Dry 70, Wet 25

ABRASION RESISTANCE

Taber Abrader 0.1g loss per 1000 cycles
(1kg load using CS17 wheels)

COMPRESSIVE STRENGTH

BS 6319 55 N/mm²

FLEXURAL STRENGTH

BS 6319 20 N/mm²

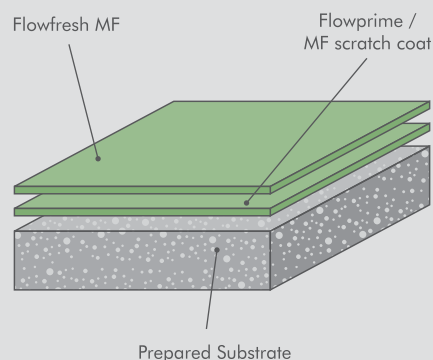
TENSILE STRENGTH

BS 6319 12 N/mm²

BOND STRENGTH

> 1.5 MPa*

SPEED OF CURE	10 °C	20 °C	30 °C
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	6 days



*Assumes concrete compressive strength is greater than 25 N/mm²

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

Flowfresh SRQ (4mm)



A heavy duty decorative screed with a coloured quartz aggregate that provides anti-slip properties.

Suited to all zones subject to heavy foot and wheeled traffic, such as wet processing areas or food preparation zones, this trowel applied system delivers a decorative joint-free floor finish.



Hygienic:

Contains Polygiene® - an antimicrobial additive that kills up to 99.9% bacteria.



Decorative:

Offers an attractive finish to enhance the working environment.



Heat Resistant:

Resistant to temperatures up to 70°C.



Chemical Resistant:

Protects against attack from chemicals and corrosive ingredients.



Slip Resistant:

Impressive anti-slip profile in dry and wet conditions.

Colours



Dark Grey



Mid Grey



Light Grey



Light Blue



Green



Red



Yellow



Brown

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

Technical Profile

THERMAL RESISTANCE

Tolerant of sustained temperatures up to 70°C

WATER PERMEABILITY

Karsten Test Nil (Impermeable)

SLIP RESISTANCE

TRRL Pendulum Slip Test Dry 60, Wet min 45 (Aggregate dependent)

FIRE RESISTANCE

BS 476-7 Surface spread of flame Class 2

ABRASION RESISTANCE

Taber Abrader 0.12g loss per 1000 cycles (1kg load using CS17 wheels)

COMPRESSIVE STRENGTH

BS 6319 >50 N/mm²

FLEXURAL STRENGTH

BS 6319 20 N/mm²

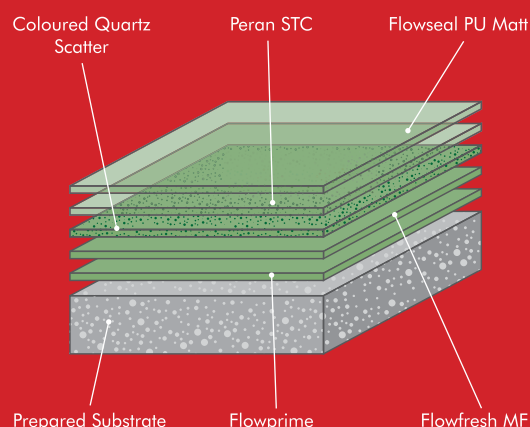
TENSILE STRENGTH

BS 6319 10 N/mm²

BOND STRENGTH

> 1.5 MPa*

SPEED OF CURE	10°C	20°C	30°C
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	10 days	7 days	6 days



*Assumes concrete compressive strength is greater than 25N/mm²

Application Suitability

Dry Process (Med / Heavy Traffic)	
Wet Process (Med / Heavy Traffic)	✓
Industrial Kitchens / Wash Areas	✓
Packaging Areas	
Chemical / Solvent Stores	✓
Loading Bays	
Laboratories / Quality Control	
Dispensaries	✓
Cold Stores / Freezers	



Flowfresh SR

(4–6mm)



A highly chemical resistant, antimicrobial polyurethane resin floor coating with an anti-slip, coloured textured finish.

Suited to industrial environments subject to pedestrian and trolley traffic, such as wet processing areas or food preparation zones.



Hygienic:

Contains Polygiene® - an antimicrobial additive that kills up to 99.9% bacteria.



Thaw & Thermal Resistant:

Resistant to temperatures from -15°C up to 90°C.



Chemical Resistant:

Protects against attack from chemicals and corrosive ingredients.



Slip Resistant:

Impressive anti-slip profile in dry and wet conditions.



Resistant:

Holds its own against impact, traffic and chemical attack.

Colours



Rich Cream



Warm Buff



Coral Red



Clay



Pewter Grey



Signal Green



Ash Grey



Blue

Technical Profile

THERMAL RESISTANCE

From -15°C to 90°C

WATER PERMEABILITY

Karsten Test Nil (Impermeable)

SLIP RESISTANCE

TRRL Pendulum Slip Test Dry 80, Wet min 45 (Aggregate dependent)

FIRE RESISTANCE

BS 476-7 Surface spread of flame Class 2

ABRASION RESISTANCE

Taber Abrader 0.1g loss per 1000 cycles (1kg load using CS17 wheels)

COMPRESSIVE STRENGTH

BS 6319 60 N/mm²

FLEXURAL STRENGTH

BS 6319 20 N/mm²

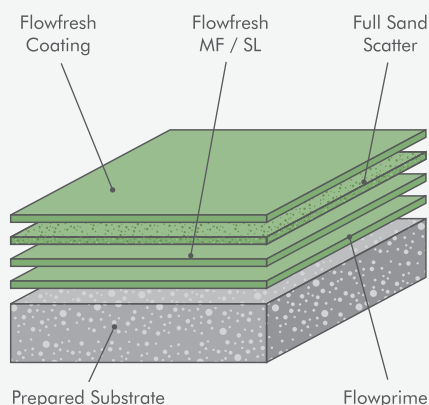
TENSILE STRENGTH

BS 6319 10 N/mm²

BOND STRENGTH

> 1.5 MPa*

SPEED OF CURE	10°C	20°C	30°C
Light Traffic	36 hrs	24 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	24 hrs
Full Chemical Cure	12 days	7 days	6 days



*Assumes concrete compressive strength is greater than 25 N/mm²

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

Flowfresh SR (9mm)



A heavy duty, antimicrobial polyurethane resin floor coating with a coloured anti-slip textured finish with high chemical resistance.

Suited to environments subject to heavy foot and rubber wheeled traffic where hygiene is of paramount concern, such as wet processing areas and food preparation zones.



Seamless, easy-to-clean finish



Freeze, thaw and thermal resistant



Resistant to abrasion and chemicals

Technical Profile

THERMAL RESISTANCE

From -40°C to 120°C

WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

SLIP RESISTANCE

TRRL Pendulum Slip Test

Dry 80, Wet min 45
(Aggregate dependent)

FIRE RESISTANCE

BS 476-7
Surface spread of flame

Class 2

ABRASION RESISTANCE

Taber Abrader

0.1g loss per 1000 cycles
(1kg load using CS17 wheels)

COMPRESSIVE STRENGTH

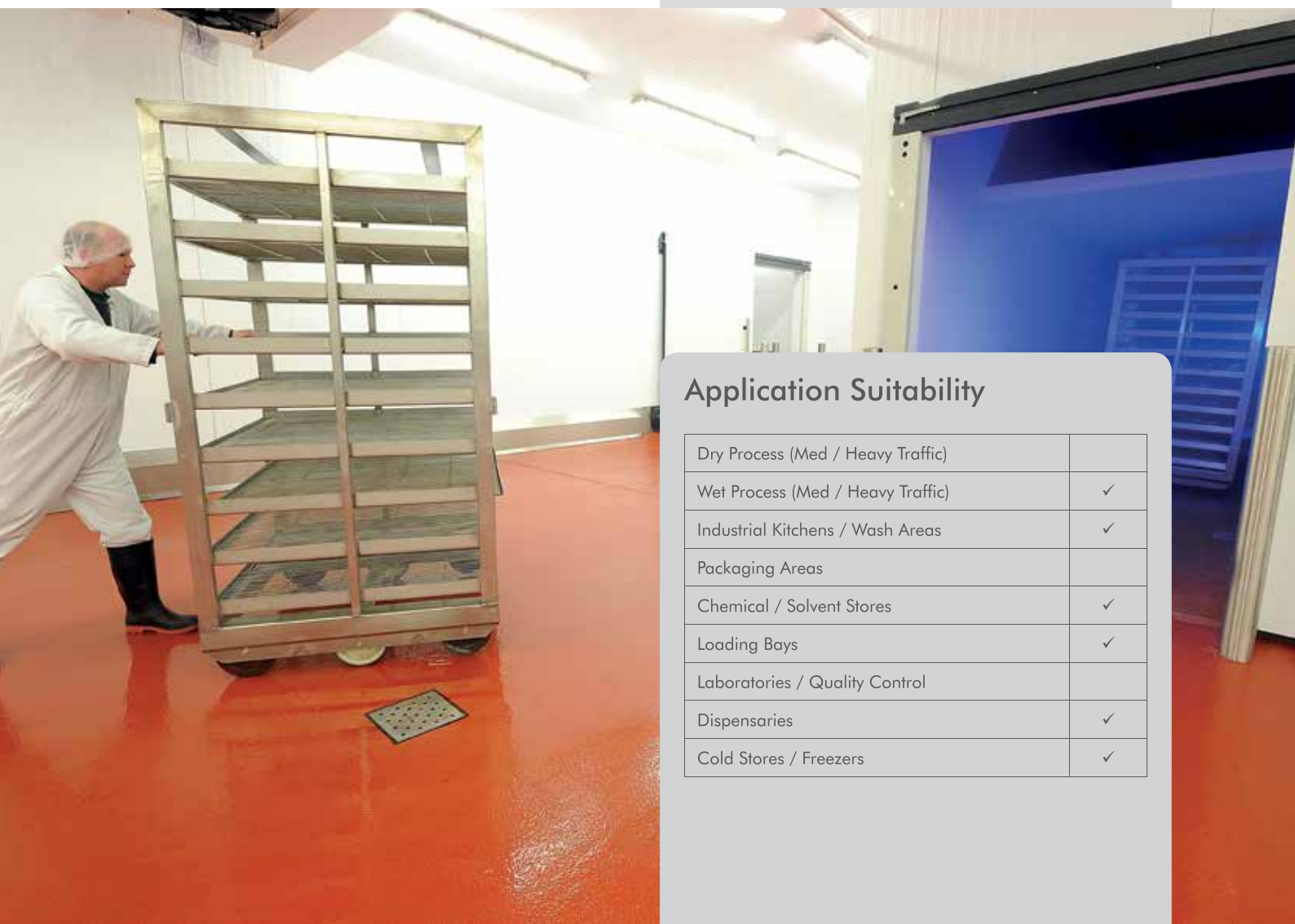
BS 6319

60 N/mm²

FLEXURAL STRENGTH

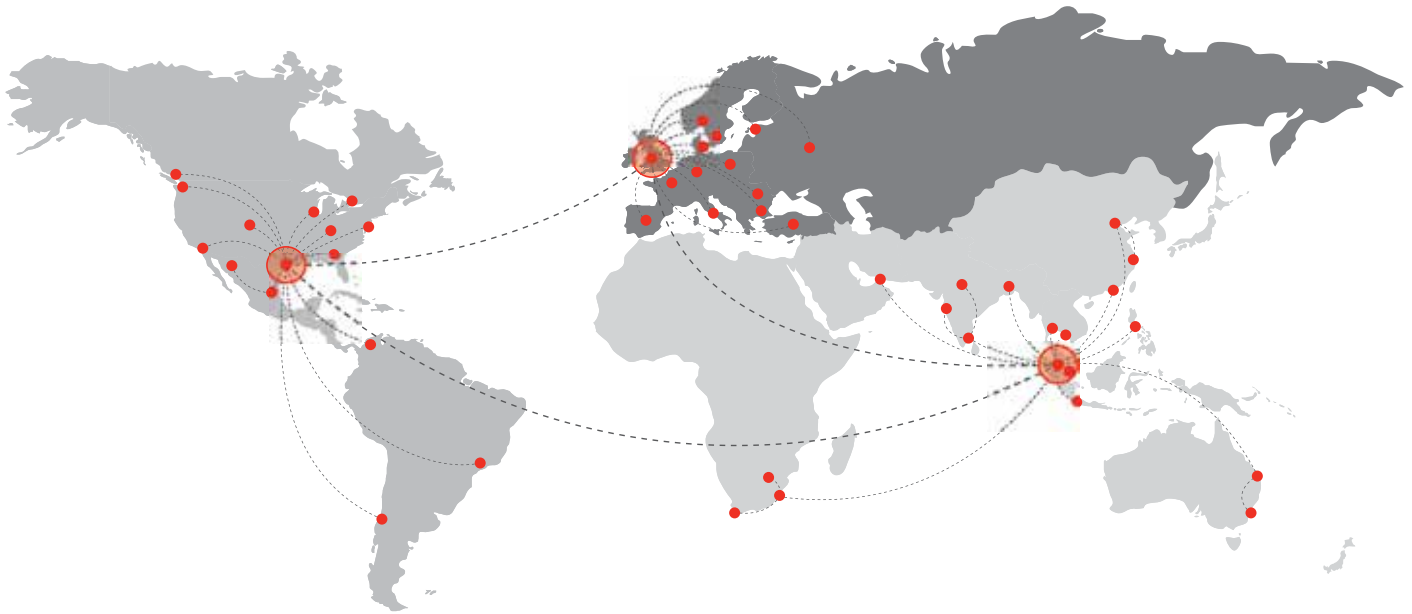
BS 6319

20 N/mm²



Application Suitability

Dry Process (Med / Heavy Traffic)	
Wet Process (Med / Heavy Traffic)	✓
Industrial Kitchens / Wash Areas	✓
Packaging Areas	
Chemical / Solvent Stores	✓
Loading Bays	✓
Laboratories / Quality Control	
Dispensaries	✓
Cold Stores / Freezers	✓



Flowcrete Group

Flowcrete Group Ltd is the world's leading specialist in seamless resin flooring, screeds and other coating technologies, with operations across five continents.

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