



ood Industry



Meat Processing



Fish Processing



Bakerie



Beverage Industry



Pharmaceutica



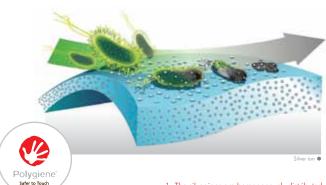




Safer to Touch



A Fresh Approach to Flooring



The silver ions are homogenously distributed throughout the floor.

2. The silver ions migrate to the surface.

3. The silver ions inhibit the bacteria on the surface by penetrating cell membranes.

The antimicrobial technology found in the Flowfresh polyurethane flooring range is based on the natural ability of silver to inhibit the growth of a wide range of harmful microbes.

In Flowfresh floors made with Polygiene®, silver ions continuously migrate to the surface where they effectively suppress microbial growth.

This activity provides protection 24 hours a day, 7 days a week throughout the normal lifespan of the floor.

In addition, Polygiene® continues to work even if the floor becomes worn or damaged, providing a significant advantage over other antimicrobial technologies.

Polygiene® is not a substitute for cleaning, but should be regarded as a complement to regular hygiene practices.

Flowfresh Accreditations

Flowfresh has been tested to the highest of standards to ensure that it remains the ultimate flooring choice for environments requiring hygiene and durability.*

Antimicrobial tests and consultancy performed in Europe:

(Test method used - JIS Z 2801)

- Medical Institute for Microbiology, University of Milan, Italy.
- Virology Institute, University of Catania, Italy.
- SIK Institute, Sweden.
- Lawlabs, UK.
- IMSL, UK.

Flowfresh tests and consultancy performed in Europe:

- Institut für Arbeitsshutz der Deutsch en Gesetzlichem Unfallversicherung, Germany.
- The Campden & Chorleywood Food Retail Association, UK.
- Centre Scientifi que et Technique du Bâtiment, France.
- National Institute of Hygiene, Poland.

*Third Party Test Certification available on request.

Bacterial Resistance

Flowfresh protects against a number of bacteria, yeast and mould and has been scientifically proven to inhibit bacterial growth by up to 99.9% in most cases.

SARS-CoV	3	Salmonella typhi	3
MRSA	3	Enterococcus faecalis	3
E-coli	3	Staphylococcus aureus	3
Listeria	3	Streptococcus pyogenes	3
C.difficile	3	Pseudomonas aeruginosa	3
Proteus vulgaris	3	Campila bacta	3

Chemical Resistance

Flowfresh offers excellent chemical resistance to sugars as well as the majority of organic and inorganic acids used in manufacturing processes.*

Hydrochloric Acid	3	Methanol	3
Sulphuric Acid	3	Sugar Syrups	3
Citric Acid	3	Caustic Soda	3
Acetic Acid	3	Petrol	3
Lactic Acid	3	Oil Ingredients	3
Ethanol	3	Detergents	3

A chemical resistance chart is available on request.

Flowfresh MF

Extremely tough polyurethane-concrete flooring with a smooth finish

Flowfresh MF is a medium-duty polyurethane-concrete flooring system with a smooth finish. Flowfresh MF offers long term durability with the benefit of an easy to clean finish for environments such as dry processing, powder processing and packaging. This chemical resistant floor is typically installed between 3/16" and 1/4". Flowfresh MF with Polygiene® is the ultimate in smooth hygienic floors.



HYGIENIC - Contains a silver ion based antimicrobial additive that inhibits bacterial growth by up to 99.9%.

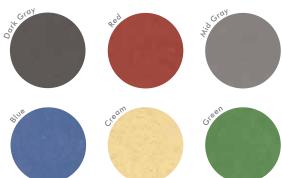
HEAT RESISATANCE - Resistant up to 200°F.

EASILY CLEANED - Joint-free surface eliminates the cracks and crevices where dirt can dwell.

VIRTUALLY ODOR FREE - Low odor makes it possible to keep adjacent work areas open during installation.

CHEMICAL RESISTANCE - Resistant to the majority of inorganic and organic acids used in the manufacturing process.

Colors: Flowfresh MF



Technical Profile: F	low	fresh MF	
Compressive Strength			
ASTM C579:	725	iO psi	
Flexural Strength			
ASTM C580:	290	00 psi	
Tensile Strength			
ASTM C307:	174	0 psi	
Impact Resistance			
ASTM D 2794:	visible damage leterioration at imum 160 in-lb		
Temperature Resistance			
Heat Resistance:	200)°F	
Water Absorption			
ASTM C 413:	<0.	1%	
Abrasion Resistance			
ASTM D4060: (C17 wheel, 1,000 cycles)	0.07	7 _g loss	
Adhesion			
		psi / 100% crete failure	
Coefficient of Thermal Expo	nsio	n	
ASTM C 531:	2.2	x 10 ⁻⁵ in/in/°F	
Modulus of Elasticity			
ASTM C 469	1.7	x 10 ⁵	
Coefficient of Friction			
		ses ADA ommendations	
Application Suitability			
Dry Process (Med Traffic)		✓	
Dry Process (Heavy Traffic)	✓		
Wet Process (Med Traffic)			
Wet Process (Heavy Traffic)			
Industrial Kitchens / Wash Ar			
Packaging Areas		✓	
Chemical / Solvent Stores			
Loading Bays		✓	
Laboratories / Quality Control		✓	
Dispensaries		✓	
Cold Stores / Freezers		✓	
Battery Charging Areas		✓	

Flowfresh SR & SRQ

Slip-resistant polyurethane-concrete flooring with optional decorative finish

Flowfresh SR and SRQ are heavy duty, slip resistant polyurethane-concrete flooring systems. They offer long term durability in environments such as kitchens and wet process areas. These slip-resistant floors provide a variable degree of slip resistance that can be tailored to the needs of the environment. They are typically installed at 1/4". Flowfresh SR and SRQ with Polygiene® are the ultimate in slip-resistant hygienic floors.



HYGIENIC - Contains a silver ion based antimicrobial additive that inhibits bacterial growth by up to 99.9%.

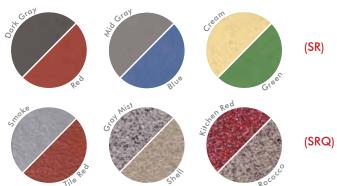
HEAT RESISATANCE - Resistant up to 200°F (SR) & 180°F (SRQ).

MAXIMUM SLIP RESISTANCE - Surface profile can be adjusted to provide varying degrees of slip resistance.

VIRTUALLY ODOR FREE - Low odor makes it possible to keep adjacent work areas open during installation.

CHEMICAL RESISTANCE - Resistant to the majority of inorganic and organic acids used in the manufacturing process.

Colors: Flowfresh SR & SRQ



lechnical Profile: Flow	vires	n sk a skQ	
Compressive Strength			
ASTM C579:	812	8 psi	
Flexural Strength			
ASTM C580:	290	0 psi	
Tensile Strength			
ASTM C307:	145	0 psi	
Impact Resistance			
ASTM D 2794:	or c	visible damage leterioration at imum 160 in-lb	
Temperature Resistance			
Heat Resistance:		200°F Q: 180°F	
Water Absorption			
ASTM C 413:	<0.	1%	
Abrasion Resistance			
ASTM D4060: (C17 wheel, 1,000 cycles) 0.0		5g loss	
Adhesion			
		psi / 100% crete failure	
Coefficient of Therma I Exp	oansic	on	
ASTM C 531:	1.5	x 10 ⁻⁵ in/in/°F	
Modulus of Elasticity			
ASTM C 469	1.7	x 10 ⁵	
Coefficient of Friction			
		ses ADA ommendations	
Application Suitability			
Dry Process (Med Traffic)		✓	
Dry Process (Heavy Traffic)		✓	
Wet Process (Med Traffic)		✓	
Wet Process (Heavy Traffic)	✓		
Industrial Kitchens / Wash A	✓		
Packaging Areas	✓		
Chemical / Solvent Stores			
Loading Bays	✓		
Laboratories / Quality Contr	✓		
	Dispensaries		
•		v	
•		∨ ✓	

Technical Profile: Flowfresh SR & SRQ

Flowfresh HF & RT

Heavy duty polyurethane-concrete flooring designed for heavy-duty environments

Flowfresh HF and RT are heavy-duty polyurethane-concrete flooring systems. They offer long term durability in demanding environments such as wet process areas. These trowel applied, chemical resistant floors provide the highest level of thermal shock and impact resistance. They are typically installed between 1/4" - 3/8" depending on the environment. Flowfresh HF and RT with Polygiene® are the ultimate in heavy duty hygienic floors.



HYGIENIC - Contains a silver ion based antimicrobial additive that inhibits bacterial growth by up to 99.9%.

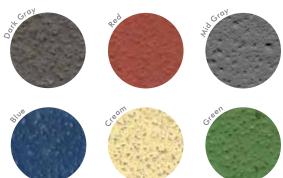
HEAT RESISATANCE - Resistant up to 250°F.

CHEMICAL RESISTANCE - Resistant to the majority of inorganic and organic acids used in the manufacturing process.

THERMAL SHOCK RESISTANCE - Withstands extreme temperatures while in service and during cleaning.

VIRTUALLY ODOR FREE - Low odor makes it possible to keep adjacent work areas open during installation.

Colors: Flowfresh HF & RT



Technical Profile: Flow	vfre	sh HF & RT		
Compressive Strength				
ASTM C579:	800	00 psi		
Flexural Strength				
ASTM C580:	290	00 psi		
Tensile Strength				
ASTM C307:	145	iO psi		
Impact Resistance				
ASTM D 2794:	ASTM D 2794: No or c			
Temperature Resistance				
Heat Resistance:	250)° F		
Water Absorption				
ASTM C 413:	<0.	1%		
Abrasion Resistance				
ASTM D4060: (C17 wheel, 1,000 cycles)	0.0	5g loss		
Adhesion				
ASTM D 4541:	ASTM D 4541: 400 cond			
Coefficient of Thermal Expo	ınsio	n		
ASTM C 531:	1.1	x 10 ⁻⁵ in/in/°F		
Modulus of Elasticity				
ASTM C 469	1.7	x 10 ⁵		
Coefficient of Friction				
ASTM D 2047	ASTM D 2047 Pass reco			
Application Suitability				
Dry Process (Med Traffic)	✓			
Dry Process (Heavy Traffic)	✓			
Wet Process (Med Traffic)	✓			
Wet Process (Heavy Traffic)	✓			
Industrial Kitchens / Wash Ar	✓			
Packaging Areas	✓			
Chemical / Solvent Stores	✓			
Loading Bays	✓			
Laboratories / Quality Control				
Dispensaries	✓			
Cold Stores / Freezers	✓			
Battery Charging Areas				





Flowcrete around the world

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^{*}Partner Company

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