

### Flowfresh RT (6-9mm)



#### Description

Flowfresh RT is a heavy duty, chemical resistant, antimicrobial polyurethane resin floor screed.

Flowfresh RT incorporates Polygiene® - a performance based antimicrobial which inhibits the growth of bacteria, fungi, moulds and mildew.

The system is HACCP International certified as food-safe for use in food and beverage plants operating a food safety management system based on hazard prevention.

#### Uses

Ideal for wet processing zones such as food manufacturing, food preparation areas and any environment where there is a requirement for high performance.

#### Benefits

- Proven antimicrobial performance
- HACCP International Certified as food-safe for use in wet and dry food handling areas.
- USDA/FDA compliant
- High chemical resistance
- Easy to clean and sterilise anti-slip surface, minimal joints
- Heat resistant to 120°C
- Steam cleanable
- Freeze/thaw resistant
- Non-tainting and non-dusting
- High abrasion resistance
- Withstands high mechanical stress
- Good alternative to expensive acid resistant tiles
- Low odour during application
- Positive slip resistance
- Monolithic application

#### Standard Colour Chart



Rich Cream



Warm Buff



Coral Red



Clay



Ash Grey



Signal Green

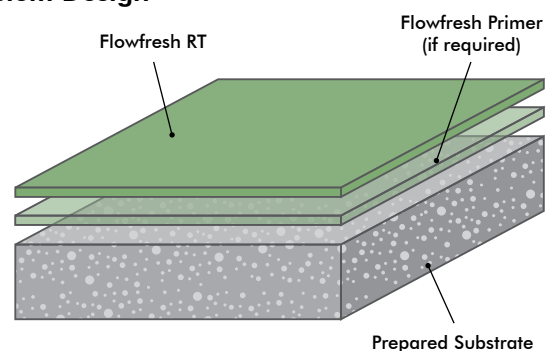


Pewter Grey



Blue

#### System Design



## Model Specification

System: Flowfresh RT  
Finish: Matt  
Thickness: 6-9mm  
Preparatory work and application in accordance with manufacturer's instructions.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be surface dry and free from rising dampness and ground water pressure.

## Available in Multi-Pack Supply Format

- Flowfresh HF/MF/RT/SL (A & B)
- Flowfresh HF/MF/RT Filler C Blank
- Flowfresh Pigment Paste
- Flowfresh RT Filler D

## Products Included in this System

Flowfresh Primer (if required)  
Flowfresh RT

## Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at [www.flowcreteasia.com](http://www.flowcreteasia.com)

## 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, maintenance and cleaning. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

## Microbial / Fungal Resistance

The Polygiene® antimicrobial additive incorporated into Flowfresh RT provides control of most bacteria and fungi which come into contact with the floor.

## Colour Stability

Flowfresh RT is not colour fast and may change colour over time (exhibits a yellowing effect). Especially the Grey and the Blue may discoloured upon receiving the UV light and heat. However, this does not compromise the product's chemical resistance or physical characteristics. It is recommended an aliphatic UV sealer is applied to achieve stable colour consistency

## HACCP International Certification

Flowcrete Asia's HACCP International certified polyurethane flooring range, Flowfresh, has been evaluated to international standards and a set of key food safety criteria for potential physical, chemical and microbiological food safety risks by a team of degree qualified food technologists and product assessors.

The Flowfresh range has been identified as food-safe for use in wet and dry food handling areas such as kitchens, production areas and processing areas operating a HACCP based Food Safety Program, noting the conditions of the certification statement SSZ. HACCP International operates a world renowned product certification scheme for equipment, materials and services used within the global food and beverage processing, production and packaging sector - confirming a product's suitability for use within food businesses that operate to the world's highest standards.

## Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Fire Resistance	B <sub>1</sub> - s1 (EN 13501-1)
Slip Resistance	Dry > 40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)
The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry)	
Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.	
Impact Resistance	20Nm (EN ISO 6272)
Temperature Resistance	From -25°C to 100°C (at 6mm) From -45°C to 120°C (at 9mm)
Coefficient of Thermal Expansion	ASTM C531: 3.74 x 10 <sup>-5</sup> °C <sup>-1</sup>
Water Permeability	Nil - Karsten test (impermeable)
Vapour Permeability	ASTM E96:90 3g/m <sup>2</sup> /24hrs (at 9mm thick)
Chemical Resistance	Contact Technical Department Excellent resistance to sugars and most acids (organic and inorganic)
Abrasion Resistance	Taber Abrader: 0.12g loss per 1000 cycles (1 kg load using CS17 wheels)
Compressive Strength	> 50 N/mm <sup>2</sup> (EN 13892-2)
Flexural Strength	> 20 N/mm <sup>2</sup> (EN 13892-2)
Tensile Strength	> 10 N/mm <sup>2</sup> (BS 6319)
Bond Strength	Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. > 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

## Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

## Customer Service

For more information regarding this product please contact your local Flowcrete office:

Flowcrete Asia	+60 3 6277 9575
Flowcrete Hong Kong	+852 2795 0478
Flowcrete China	+86 10 8472 1912
Flowcrete Thailand	+66 2539 3424
Flowcrete Indonesia	+62 21 252 3201
Flowcrete Vietnam	+84 8 6287 0846

Visit our website for more locations.

## Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the numbers above or visit our website to register your interest in specifying one of the most durable floors on the market.