



# Flowfresh RT (6-9 mm)



### **Standard Colour Chart**

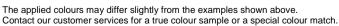












Red

## **Description**

Flowfresh RT is a heavy duty, chemical resistant, antimicrobial polyurethane resin floor screed providing a durable textured coloured floor finish. Flowfresh RT incorporates Polygiene® - a performance based antimicrobial additive which inhibits the growth of bacteria, fungi, moulds and mildew.

#### 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
- 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

# **Project References**

Nestlé; Mars; McVities; Courage Brewery; Grants Pfizer: AstraZeneca: Bayer: GlaxoSmithKline; Levers.

## System Design



# **Model Specification**

Product: Flowfresh RT

Finish: Matt Thickness: 6-9mm

Colour:

Flowcrete India Pvt Ltd Manufacturer:

Telephone: Customer Service - +91 44420 29831 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 damp and ground water pressure.

## **Available in Multi-Pack Supply Format**

-Flowfresh HF/MF/RT/SL (A & B)

- -Flowfresh HF/MF/RT Filler C
- -Flowfresh RT Filler D

## **Products Included in this System**

Flowfresh RT

Detailed application instructions are available upon request.

#### 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 web site at www.flowcrete.in.

## **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 the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

#### Focus on the Floorzone

Flowcrete India Pvt Ltd is a division of the Flowcrete Group, world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

## 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**

Fax: +91 44 4202 9832 Website: www.flowcrete.in

Flowcrete India is an RPM Company

Flowfresh RT is not colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in light colours and blues but does not compromise the product's chemical resistance or physical characteristics.

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#### **Technical Information**

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

BS476-7: Fire Resistance

Surface spread of flame: Class 2 (Indicative)

TRRL Pendulum Slip Test Slip Resistance

Dry 80 Wet min 35

BS8204 Part1 Cat: A (<0.5mm) Impact Resistance

ISO6272 1kg weight >1.8m

2kg weight >1.5m

Temperature Resistance From -25°C to 100°C (at 6mm)

From -45°C to 120°C (at 9mm)

Coefficient of ASTM C531: 3.74 x 10<sup>-5</sup> °C<sup>-1</sup> Thermal Expansion

Water Permeability Nil - Karsten test (impermeable)

Vapour Permeability ASTM E96:90

3g/m<sup>2</sup>/24hrs (at 9mm thick)

Contact Technical Department Chemical Resistance

> **Excellent resistance to sugars** and most acids (organic and

inorganic)

Taber Abrader: Abrasion Resistance

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

Compressive Strength >60 N/mm<sup>2</sup> (BS6319) >20 N/mm<sup>2</sup> (BS6319) Flexural Strength >10 N/mm<sup>2</sup> (BS6319) Tensile Strength

**Bond Strength** Greater than cohesive strength of

25 N/mm<sup>2</sup> concrete. >1.5 MPa.

Taint Free to sensitive Toxicity (when cured)

foodstuffs

## 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

## Aftercare - Cleaning and Maintenance

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

## **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.

# **Further Information**

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