

Flowcrete RT (6-9mm)

An easily applied heavy duty, chemical resistant polyurethane resin floor screed.



Easy to Apply:

Simple, easy application by rake and trowel.



Easy to Clean:

Seamless installation ensures dirt and dust are easily cleaned away.



Slip Resistant:

Positively textured profile to minimise slip risks in wet or damp areas.



Temperature Resistant:

Heat resistant to 120°C and resistant to steam cleaning.



Cream



Ochre



Mustard



Red



Dark Green



Dark Blue



Mid Grey



Dark Grey

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office. Special corporate colours and designs can be produced to special order.

Technical Profile

FIRE RESISTANCE

EN 13501-1	B _{fl} -s1
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WEAR RESISTANCE

EN 13892-5	<1 cm ³
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BOND STRENGTH

EN 13892-8	>2.5 N/mm ²
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IMPACT RESISTANCE

EN ISO 6272	21 Nm
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COEFFICIENT OF THERMAL EXPANSION

ASTM C531	3.74 × 10 ⁻⁵ mm/mm°C
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WATER PERMEABILITY

Karsten Test	Nil (impermeable)
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VAPOUR PERMEABILITY

ASTM E96:90	3 g / m ² / 24 hrs (at 9mm)
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SLIP RESISTANCE*** (in accordance with HSE & UKSRG guidelines)

BS 7976-2 (typical values for 4-S rubber slider)	Dry > 40 low slip potential
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COMPRESSIVE STRENGTH

EN 13892-2	>50 N/mm ²
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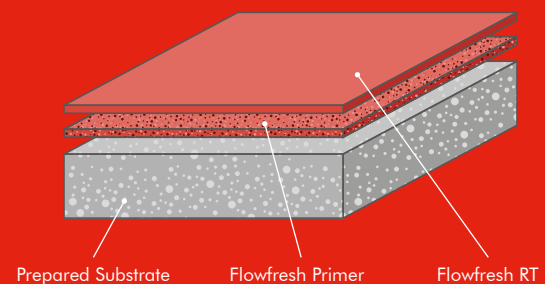
BS 8204-6 / FeRFA

Type 8

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	5 days

*These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

***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.



Model Specification

System	Flowcrete RT
Finish	Matte

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

Products Included In This System

Primer (if required)	Flowprime @ 0.25 kg/m ² OR, where a DPM is required, Hydraseal DPM @ 0.5 kg/m ² OR, where high heat resistance is critical, Flowfresh Primer @ 0.25 kg/m ²
Scatter	1–2 mm silica sand @ 0.5 kg/m ²
Topping	Flowcrete RT (Density 2.1 kg/l) For general chemical resistance = 12.6 kg/m ² @ 6 mm For best temperature resistance = 18.9 kg/m ² @ 9 mm Self-sealing finish.

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Check the relative humidity at ground level. Substrate humidity must not exceed 75% RH as per BS8203 (otherwise primer must be substituted by Hydraseal DPM) and be free from rising damp and ground water pressure. For areas where continual heat resistance (above 50°C) is critical, use Flowfresh Primer (also suitable for substrates up to 97% RH, consult Product datasheet). Priming process may be omitted when applying Flowcrete RT over an Isopol SBR screed, or when the consistency of the concrete base ensures minimal porosity, is free of voids and is surface dry up to 97% RH.

Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website www.flowcrete.co.uk

Aftercare

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

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.

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.

Note

Flowcrete 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 very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change. Intensively coloured products (e.g. hair colourants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discolouration in the surface. Please contact our Technical Services Department for further advice.

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System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [04/12/18, 01 UK]