

## Flowchem VE RC CQ

CE  
13  
PN-EN 13813

Colorful flooring screed based on clear vinyl ester resin and special quartz aggregate mix having excellent chemical and mechanical resistance.



### Temperature Resistant:

Resistant to intermittent temperatures up to +145°C



### Resistant to Chemicals:

Protects against a variety of aggressive acids, solvents and alkalis



### Fast Cure:

Accelerated curing time, providing an operational surface in just 12 hours



### Wear Resistance:

Excellent abrasion and good impact resistance

## Technical Profile<sup>1</sup>

### TEMPERATURE RESISTANCE

Tolerant up to +145°C

ASTM D 648-56

### VOLUME SHRINKAGE

< 0,004 %

RILL 4 2.5.3.2.1

### BARCOL HARDNESS

> 40

ASTM 2583

### E-MODULUS

3,1 GPa

ASTM D-695

### FLEXURAL STRENGTH

125 MPa

ASTM D-790

### TENSILE STRENGTH

73 MPa

ASTM D-638

### ADHESION

> 4 MPa (Substrate failure)

### SPEED OF CURE<sup>2</sup>

+20°C

Light Traffic

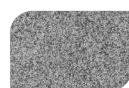
12 h

Full Traffic

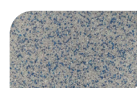
24 h

Full Chemical Cure

72 h



Grey 7100



Blue 7200



Green 7300



Yellow 7400



Red 7500



Cream 7700



White Grey 7001



Light Grey 7002



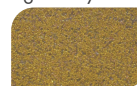
Mid Grey 7003



Dark Grey 7004



Black 7005



Golden Yellow 7006



Beige 7007



Biscuit 7008



Carmine Red 7009



Summer Green 7010



Concrete Grey 7011



Graphite Grey 7012



White Water 7013



Sky Blue 7014

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

Flowchem VE RC CQ - Color marking method:

The first digit in the color number is the size of the sand.

Each color is available in 3 sizes of sand. Sand no. 5 - size about 1.8 mm, sand No. 7 - size about 1.2 mm, sand No. 8 - size about 0.8 mm.

For example, the Flowchem VE RC CQ in Grey 5100 contains Sand no. 5 and the Flowchem VE RC CQ in Grey 7100 - sand no. 7.

<sup>1</sup> The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site.  
<sup>2</sup> Cure times can be changed by altering the quantity of accelerator.

## Model Specification

Model Specification	Flowchem VE RC CQ
Finish	Satin
Thickness	approx. 1,5–4,0 mm
Colour	According to the catalog
Producer:	Flowcrete Group Ltd
Supplier:	Flowcrete Polska Sp. z o.o.
Telephone:	+48 22 879 89 07

## Installation Service

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

## Products Included in this System

Primer:	Flowchem VE Primer Peran Sand
Main layer:	Flowchem VE RC Clear Peran Sand
Top layer:	Flowchem VE RC Clear

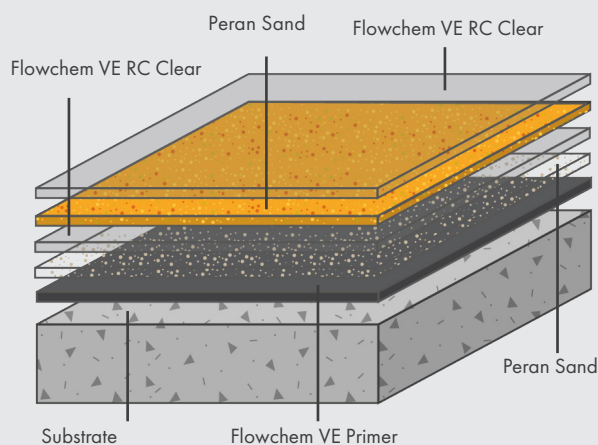
## Aftercare – Cleaning and Maintenance

Clean regularly manually or using a machine in conjunction with a mildly alkaline detergent. Flowcrete Flooring Cleaning Instruction available upon request.

## Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1,5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry up to 75% RH as per BS 8204 (5% humidity measured by the Tramex method) and free from rising damp and ground water pressure. In case of higher humidity, one should use combination of Flowfresh Primer and Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

## System Design



## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Flowcrete Polska Sp. z o.o. (further related as „Flowcrete”) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer’s control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, Flowcrete cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized Flowcrete representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact Flowcrete Polska

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