

## Flowchem VE RC CQ



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



The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local CPG Europe 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> The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from CPG Eastern Europe), the degree of abrasion, maintenance and the nature of the dirt. <sup>3</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:	CPG Europe
Supplier:	Tremco CPG Poland 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 CPG Eastern Europe 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

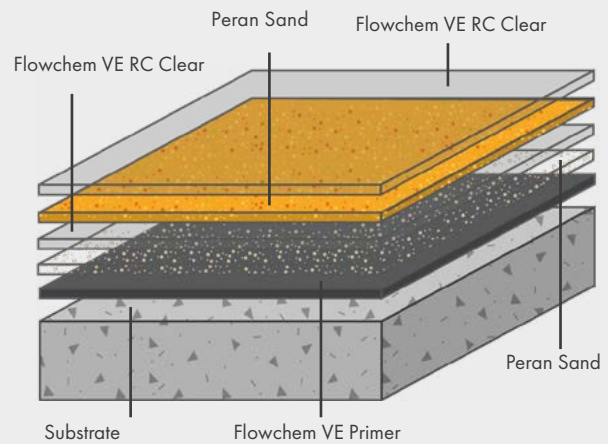
## Aftercare – Cleaning and Maintenance

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 Tremco CPG Poland Sp. z o.o. (further related as „CPG Polska”) 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, CPG Polska 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 CPG Polska 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 CPG Polska.

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