

## Flowchem VE V

A vertical trowel applied vinyl ester resin based screed system with excellent chemical and mechanical resistance.



### Temperature Resistant:

Resistant to intermittent temperatures of up to 160°C, resistant for temperature changes



### Chemical Resistant:

Protects against a variety of aggressive acids, solvents caustics and chemicals



### Wear resistance

Excellent abrasion and good impact resistance



### Fast Cure:

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

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

### TEMPERATURE RESISTANCE

To 160°C	ASTM 648.56
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### VOLUME SHRINKAGE

< 0,003 % RILL 4 2.5.3.2.1

### BARCOL HARDNESS

> 40	ASTM 2583
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### E-MODULUS

24 GPa	ASTM D-695
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### COMPRESSIVE STRENGTH

120 MPA	ASTM D-695
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### FLEXURAL STRENGTH

42 MPa	ASTM D-790
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### TENSILE STRENGTH

23 MPa	ASTM D-638
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### ADHESION

> 4 MPa (Substrate failure)

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

20 °C

Light Traffic	12 h
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Full Traffic	24 h
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Full Chemical Cure	72 h
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## Standard colour chart



Natural quartz finish

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

<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 V
Finish	Satin
Thickness	5 mm
Colour	Natural quartz
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
Main layer:	Flowchem VE V

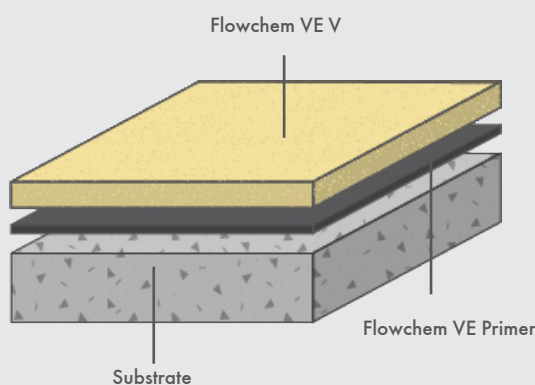
## Aftercare – Cleaning and Maintenance

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% moisture content per weight) and free from rising damp and ground water pressure. In case of higher humidity, one should use 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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Flowcrete Central & Eastern Europe  
ul. Marywilska 34 03-228 Warsaw Poland  
Tel: +48 22 879 8907 Fax: +48 22 879 8918  
Email: [poland@flowcrete.com](mailto:poland@flowcrete.com)

[www.flowcrete.com.pl](http://www.flowcrete.com.pl)