



## Flowchem VE V-05 (5mm)

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



### Chemical Resistant:

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



### Temperature Resistant:

Resistant to intermittent temperatures of up to 160°C .



### Abrasion Resistant:

Excellent abrasion and wear resistance under heavy traffic conditions.



### Fast Cure:

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

## Technical Profile

### TEMPERATURE RESISTANCE

ASTM D 648-56	Tolerant up to 160°C
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### BARCOL HARDNESS

ASTM 2583	>40
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### E-MODULUS

ASTM D 695	24 GPa
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### VOLUME SHRINKAGE

Rill 4 2.5.3.2.1	<0.003%
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### COMPRESSIVE STRENGTH

ASTM D 695	120mPa
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### FLEXURAL STRENGTH

ASTM D 790	42mPa
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### TENSILE STRENGTH

ASTM D 638	23mPa
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### ADHESION

ASTM D 4541	>4mPa (substrate failure)
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### VOC EMISSION

EU Directive 2004/42/EC	55-70g/m <sup>2</sup>
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SPEED OF CURE**	10°C	20°C	30°C
Light Traffic	18 hrs	12 hrs	8 hrs
Full Traffic	36 hrs	24 hrs	16 hrs
Full Chemical Cure	72 hrs	48 hrs	24 hrs

\*\*Cure times at temperatures between 0-30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

## Model Specification

System	Flowchem VE V-05
Finish	Medium profile
Thickness	5mm
Colour	Natural
Manufacturer	Flowcrete SA (Pty) Ltd

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

## Products Included In This System

Primer	Flowchem Concrete Primer
Topping	Flowchem VE V-05

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per BS8204.

## Installation Service

The installation should be carried out by an Approved Flowcrete Applicator. For details of our Approved Applicators, contact your regional Flowcrete office. Detailed application instructions are available upon request.

## Aftercare, Cleaning & Maintenance

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

## 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 and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained application teams.

## Focus on the Floorzone

Flowcrete is a market leader in specialist industrial and commercial flooring. Systems available include: floor screeds, surface damp proof membranes, decorative flooring, seamless terrazzo, car park deck coatings, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

## Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

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