

Flowchem VE H-05 (5mm)

A horizontal trowel applied, low-shrinkage vinyl ester resin-based screed system with excellent chemical 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

BARCOL HARDNESS

ASTM 2583 >40

E-MODULUS

ASTM D 695 24 GPa

VOLUME SHRINKAGE

Rill 4 2.5.3.2.1 <0.003%

COMPRESSIVE STRENGTH

ASTM D 695 120 MPa

FLEXURAL STRENGTH

ASTM D 790 42 MPa

TENSILE STRENGTH

ASTM D 638 23 MPa

ADHESION

ASTM D 4541 >4 MPa (substrate failure)

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

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

Model Specification

System	Flowchem VE H-05
Finish	Matt
Thickness	5mm
Colour	Natural

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

Products Included in this System

Primer	Flowchem Concrete Primer
Topping	Flowchem VE H-05

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², and maintain a minimum tensile strength of 1.5 MPa, free from laitance, dust and other contamination. The substrate should have a moisture content of no more than 5%.

Installation Service

The installation should be carried out by an Approved Applicator. For details of our Approved Applicators, contact our regional 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.