

Flowchem VE HD



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



Temperature Resistant:
+ 160°C for 5 mm thick system,
+ 185°C for 10 and 15 mm thick systems;
resistant to temperature shock



Resistant to Chemicals:
Protects against a variety of aggressive
acids, solvents and alkalis



Wear Resistant:
Excellent abrasion and good impact
resistance



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

Technical Profile¹

TEMPERATURE RESISTANCE	
+160°C for 5 mm system; +185°C for 10 & 15 mm system	
VOLUME SHRINKAGE	
< 0,003 %	RILL 4 2.5.3.2.1
BARCOL HARDNESS	
> 40	ASTM 2583
E-MODULUS	
24 GPa	ASTM D-695
COMPRESSIVE STRENGTH	
120 MPa	ASTM D-695
FLEXURAL STRENGTH	
42 MPa	ASTM D-790
TENSILE STRENGTH	
23 MPa	ASTM D-638
ADHESION	
> 4 MPa (Substrate failure)	
SPEED OF CURE²	
Light Traffic	+20°C 12 h
Full Traffic	24 h
Full Chemical Cure	72 h

Standard colour chart



Dark Grey
(close to
RAL 7046)

Light Grey
(close to
RAL 7035)

Red (close to
RAL 3009)

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

¹The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site. ²The 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. ³Cure times can be changed by altering the quantity of accelerator.

Model Specification

Model Specification	Flowchem VE HD
Finish	Satin
Thickness	5–15 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.

Products Included in this System

Primer:	Flowchem VE Primer
Main layer:	Flowchem VE HD

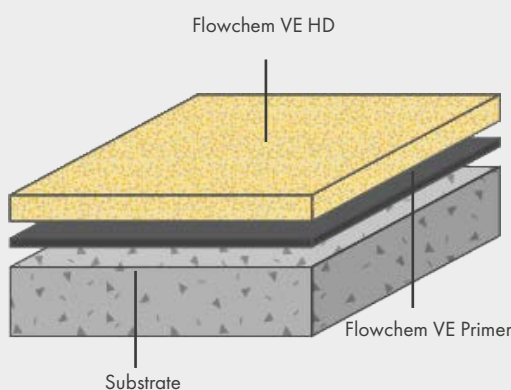
Aftercare – Cleaning and Maintenance

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.

25/05/21

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