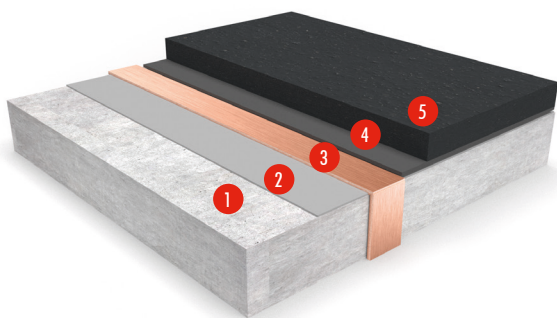


## Flowchem VE ESD HD (10 mm)

An anti-static trowel applied shrinkage compensated vinyl ester resin based screed system with excellent chemical and mechanical resistance for use in medium to heavy-duty areas.



- 1 Prepared Substrate
- 2 Flowchem VE Primer
- 3 Copper Grid
- 4 Flowchem VE ESD Primer
- 5 Flowchem VE ESD HD



### Anti-Static:

Excellent anti-static resistance to EN IEC 61340-4-1.



### Temperature Resistant:

High thermal resistance, up to 185°C for 10 mm.



### Chemical Resistant:

Impressive resistance to aggressive chemicals and solvents.



### Fast Cure:

Walk on 2 hours after curing at 20°C, reducing downtime

TEMPERATURE RESISTANCE	
EN ISO 75	185°C (10 mm)
RESISTANCE TO GROUND	
EN IEC 61340-4-1	< 10 <sup>6</sup> Ohm
TOTAL RESISTANCE OF THE SYSTEM	
EN IEC 61340-4-5	< 10 <sup>9</sup> Ohm
MAXIMUM POTENTIAL GENERATED AT THE BODY	
EN IEC 61340-4-5	< 100 V
BARCOL HARDNESS	
EN ISO 59	>40
E-MODULUS	
EN ISO 604	24 GPa
VOLUME SHRINKAGE	
Rili 4 2.5.3.2.1	<0.003 %
FLEXURAL STRENGTH	
EN ISO 178	42 MPa
TENSILE STRENGTH	
EN ISO 527	23 MPa
COMPRESSIVE STRENGTH	
EN ISO 604	120 MPa
IMPACT RESISTANCE	
EN ISO 6272-1	≥ 20 Nm
BOND STRENGTH	
EN 1542	> 4 N/mm <sup>2</sup> (substrate failure)
SLIP RESISTANCE*	
EN 13036-4 (typical values for 4-S rubber slider)	Dry >40 low slip potential
SPEED OF CURE**	
Light Traffic	6 hrs
Full Traffic	24 hrs
Full Chemical Cure	24 hrs

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

\*The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry).

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry). Please contact our Technical Department for further details and specifications.

\*\* The speed of cure can be controlled by varying the accelerator dosage level. The above times are based on the standard dosage level.



Black

## Model Specification

<b>System</b>	Flowchem VE ESD HD
<b>Finish</b>	Satin / Matt
<b>Thickness</b>	10 mm

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

## Products Included In This System

<b>Primer</b>	Flowchem VE Primer @ 0.35 kg/m <sup>2</sup>
	Conductive Grid of 10 mm wide copper tape. Flowchem VE ESD Primer @ 0.35 kg/m <sup>2</sup>
<b>Topping</b>	Flowchem VE ESD HD @ 20.0 kg/m <sup>2</sup> (for 10 mm)

NB: Specifications are written for each installation to meet the clients particular requirements.

## Substrate Requirements

Reinforced concrete substrates should be capable of producing 1.5 N/mm<sup>2</sup> "pull-off" values and, following preparation, be free from laitance, dust and other contamination. The substrate should be visibly dry with a moisture content not exceeding 75% RH as per BS8203 (4.5% on Tramex scale), and free from rising damp and ground water pressure.

## Installation Service

The installation should be carried out by a Tremco CPG approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website [www.flowcrete.eu](http://www.flowcrete.eu).

## Aftercare, Cleaning & Maintenance

Clean floors 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 nonhazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning.

Environmental and health considerations are controlled during manufacture and application of the products by Tremco CPG staff and fully trained and experienced contractors.

## Important Notes

Tremco CPG 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.

Tremco CPG's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Tremco CPG constitute potential options only and do not constitute nor replace professional advice in such regard. Tremco CPG recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Tremco CPG. Please consult Technical Team in your own country region for specific details. [25/09/23, 01 UK]