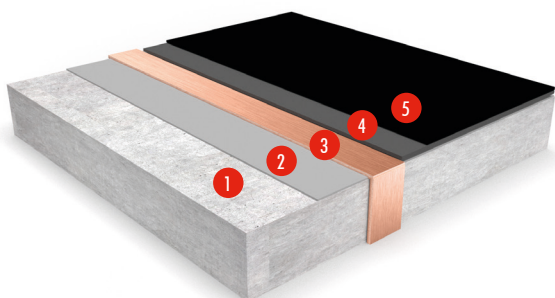


Flowchem VE ESD RC (0,5-1 mm)

An anti-static, roller coat applied, shrinkage compensated, vinyl ester resin based coating with excellent resistance to aggressive chemicals and solvents as well as resistance to mechanical and thermal attack.



- 1 Prepared Substrate
- 4 Flowchem VE ESD Primer
- 2 Flowchem VE Primer
- 5 Flowchem VE ESD RC (optional textured surface)
- 3 Copper Grid



Anti-Static:

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



Temperature Resistant:

High thermal resistance, up to 145°C.



Chemical Resistant:

Impressive resistance to aggressive chemicals and solvents.



Fast Cure:

Possible to apply next layer after 2 hours curing at 20°C. Walk on 2 hours after curing at 20°C, reducing downtime.

RESISTANCE TO GROUND	
EN IEC 61340-4-1	< 10 ⁶ Ohm
TOTAL RESISTANCE OF THE SYSTEM	
EN IEC 61340-4-5	< 10 ⁹ Ohm
MAXIMUM POTENTIAL GENERATED AT THE BODY	
EN IEC 61340-4-5	EN IEC 61340-4-1
TEMPERATURE RESISTANCE	
EN ISO 75	Tolerant up to 145°C
BARCOL HARDNESS	
EN ISO 59	>40
E-MODULUS	
EN ISO 604	3.1 kN/mm ²
VOLUME SHRINKAGE	
Rili 4 2.5.3.2.1	<0.004 %
FLEXURAL STRENGTH	
EN ISO 178	125 N/mm ²
TENSILE STRENGTH	
EN ISO 527	73 N/mm ²
BOND STRENGTH	
EN 1542	>4 N/mm ² (substrate failure)
SLIP RESISTANCE*	
EN 13036-4 (typical values for 4-S rubber slider)	Dry >40 low slip potential

SPEED OF CURE**	20 °C
Light Traffic	6 hrs
Full Traffic	24 hrs
Full Chemical Cure	24 hrs

The figures that follow 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

System	Flowchem VE ESD RC
Finish	Satin / Matt
Thickness	0.5 - 1 mm

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

Products Included In This System

Primer	Flowchem VE Primer @ 0.35 kg/m ²
Copper Grid	Conductive Grid of 10 mm wide copper tape.
Primer	Flowchem VE ESD Primer @ 0.35 kg/m ²
Finish (smooth)	Flowchem VE ESD RC @ 0.7 kg/m ² for two coats
Finish (textured)	Flowchem VE ESD RC @ 0.3 kg/m ² 0.3 - 0.8 mm conductive quartz sand @ 2 kg/m ² Flowchem VE ESD RC @ 0.4 kg/m ²

Note: Add Flowchem VE Topcoat Additive to the final topcoat only at 1.5% by weight of Resin. The Flowchem VE topcoat resins normally give a glossy finish. When the Flowchem VE Topcoat Additive is used, the resultant finish is a satin matte. Non-slip finishes: Various grades of conductive quartz can be incorporated to provide a textured surface.

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/mm² "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 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.

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 CPG staff and fully trained and experienced contractors.

Important Notes

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.

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. [14/03/24, 01 UK]