

Flowchem VE Honeycomb (10 mm)

An insulating, extruded polypropylene honeycombed board with conductive polyester non-woven fabric faces, to be used only in conjunction with the Flowchem VE GL vinyl ester resin lining.



Suitable for Renovation:
Suitable for new construction and renovation.



Crack Bridging:
Bridges cracks and movement joints.



Base Layer:
Provides sound platform for Flowchem VE GL.



Water Resistant:
Tolerant of damp or wet conditions.

Technical Profile*

Properties for Flowchem VE Honeycomb C Board

TEMPERATURE RESISTANCE	
Softening point 125°C	
E-MODULUS	
ISO 844	15 KN/mm ²
COMPRESSIVE STRENGTH	
ISO 844	1.3 N/mm ²
TENSILE STRENGTH (PERPENDICULAR)	
NFT 56130	0.5 N/mm ²
DENSITY	
80 kg/m ²	
SHEAR STRENGTH	
ISO 1922	0.5 N/mm ²
SHEAR MODULUS	
8 MPa	
ELECTRICAL CONDUCTANCE	
3.5 KΩ / cm ²	

Properties for Flowchem VE GL

TEMPERATURE RESISTANCE	
Tolerant up to 145°C	
E-MODULUS	
ASTM D 695	3.1 N/mm ²
COMPRESSIVE STRENGTH	
ASTM D 695	160 N/mm ²
TENSILE STRENGTH (PERPENDICULAR)	
ASTM D 638	73 N/mm ²
DENSITY	
1.01 Kg/l	
VOLUME SHRINKAGE	
Rill 4 2.5.3.2.1	<0.004 %
BOND STRENGTH	
>4 N/mm ² (substrate failure)	
FLEXURAL STRENGTH	
ASTM D 790	125 N/mm ²

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

Model Specification

System	Flowchem VE Honeycomb C Board (or C-HP Board)
Finish	Conductive

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

Products Included In This System

Board	Honeycomb C: 2.5 m × 1.2 m × 10 mm board Or Honeycomb C-HP: 2.5 m × 1.2 m × 10 mm board
Lining System	Flowchem VE GL Clear Resin with 450 g/m ² chopped stand mat @ 1.4 kg/m ² Flowchem VE GL Clear Resin with 450 g/m ² chopped stand mat @ 1.2 kg/m ² Flowchem VE GL Clear Resin with 30 g/m ² surface tissue @ 0.1 kg/m ²
Finish	Flowchem VE GL @ 0.7 kg/m ² Flowchem VE GL @ 0.7 kg/m ²

Note: Add Flowchem VE Topcoat Additive to the final topcoat only at 1.5% by weight of Resin.

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

Life Expectancy

5–10 years dependant on the service conditions and the maintenance regime.

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, maintenance and cleaning.

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

Installation Service

The installation should be carried out by a Flowcrete 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.co.uk

Flowcrete'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 Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [12/02/19, 01 UK]