

Flowchem Honeycomb C

An insulating, extruded polypropylene honeycombed board with conductive polyester nonwoven fabric faces, to be used only in conjunction with the Flowchem VE GL vinyl ester resin lining. Used for isolation from concrete and masonry structures to provide resistance to exposure from heavy duty chemical, thermal and mechanical attack.



-  Insulation and isolation from existing structure
-  No surface preparation or repair required
-  Bridges cracks and movement joints
-  Tolerant of damp or wet conditions
-  Suitable for new construction and renovation

Technical Profile¹

- For Flowchem Honeycomb C

TEMPERATURE RESISTANCE	
Tolerant up to +125°C	
E-MODULUS	
15 MPa	ISO 844
COMPRESSIVE STRENGTH	
1,3 MPa	ISO 844
TENSILE STRENGTH (PERPENDICULAR)	
0,5 MPa	NFT 56130
DENSITY	
80 kg/m ²	

- For Flowchem VE GL

TEMPERATURE RESISTANCE	
Tolerant up to +145°C	
VOLUME SHRINKAGE	
< 0,004 %	RILL 4 2.5.3.2.1
BARCOL HARDNESS	
> 50	ASTM 2583
E-MODULUS	
3,1 GPa	ASTM D-695
COMPRESSIVE STRENGTH	
160 MPa	ASTM D-695
FLEXURAL STRENGTH	
125 MPa	ASTM D-790
TENSILE STRENGTH	
73 MPa	ASTM D-638
ADHESION	
> 4 MPa (Substrate failure)	

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

Model Specification

Model Specification	Flowchem Honeycomb C
Finish	Satin
Thickness	10 mm
Colour	like Flowchem VE GL
Producer:	Flowcrete Group Ltd
Supplier:	Flowcrete Polska 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 Flowcrete Polska or enquiring via our website at www.flowcrete.com.pl.

Products Included in this System

Board:	Honeycomb C: 2.5 m x 1.2 m x 10 mm board
Main layer:	Flowchem VE GL

Substrate Requirements

The new concrete base should be in class C20 / 25. There is no need to clean it. Old concrete structures should have sufficient load carrying capacity to bear the loads caused by the weight of the liquid accumulated in the tank. Concrete can be cracked, leaky, contaminated, with strength that allows fast fixing of Flowchem Honeycomb C panels with system fastening pins.

System Design - Fixing



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 Flowcrete Polska Sp. z o.o. (further related as „Flowcrete”) 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, Flowcrete 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 Flowcrete 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 Flowcrete Polska

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