

## 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 Profile<sup>1</sup>

#### - For Flowchem Honeycomb C

##### TEMPERATURE RESISTANCE

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<sup>2</sup>

#### - For Flowchem VE GL

##### TEMPERATURE RESISTANCE

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)



System Design - Fixing



<sup>1</sup> 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.  
<sup>2</sup> 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](http://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

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% moisture content per weight) and free from rising damp and ground water pressure. In case of higher humidity, one should use Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

## 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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