

Declaration of Performance

UKCA - HCP150 - 01a

1. Product Type	Super Strength Grade Coursing Units
2. Product identification	HCP150
3. Intended use	Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements
4. Manufacturer	H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ Tel: +44 1732 880333 Email: info@hhcelcon.co.uk
5. System AVCP	4
6. UK Designated Standard	BS EN 771-4:2011 + A1:2015

7. Declared Performance

Essential characteristics		Performance
Dimensions	length, mm	215
	height, mm	65
	width, mm	150
Dimensional Tolerances		GPLM
Compressive Strength unit category		II
Mean compressive strength, N/mm ²		8.7
Dimensional stability (shrinkage), mm/m		0.4
Shear bond strength, N/mm ²		0.15 with GPLM 0.30 with TLM (Tabulated value according to EN 998-2)
Reaction to fire		Euroclass A1
Water absorption, g/m ² s ^{0.5}		NPD
Water vapour diffusion coefficient μ		5/10 (Tabulated value according to EN1745)
Durability (freeze-thaw resistance)		For use above and below ground level
Gross dry bulk density, mean, kg/m ³		730
Form and shape		Solid Group 1
Thermal conductivity, $\lambda_{10,dry}$ (P=50%), W/mK		0.16

8. The performance of the product identified above is in conformity with the declared performance.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, as it has effect in the United Kingdom under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of H+H UK Limited

Calum Forsyth (Managing Director)

Borough Green, Kent

30 September 2022

H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ

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BS EN 771-4:2011 + A1:2015

Super Strength Grade Coursing Units

Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements

Category II, autoclaved aerated concrete masonry unit

<p>Dimensions: (Length x Height x Width)</p> <p>Dimensional tolerances:</p> <p>Configuration:</p> <p>Compressive strength:</p> <p>Dimension stability:</p> <p>Bond strength (initial shear):</p> <p>Flexural Bond strength:</p> <p>Reaction to fire:</p> <p>Water absorption:</p> <p>Water vapour diffusion coefficient:</p> <p>Gross density:</p> <p>Thermal conductivity:</p> <p>Durability:</p>	<p>215mm x 65mm x 150mm</p> <p>Category: GPLM</p> <p>Solid (Group 1 unit to EN1996-1-1)</p> <p>Mean 8.7 N/mm² (L bedface, whole unit) (Cat II)</p> <p>Moisture movement: 0.4 mm/m</p> <p>Fixed Value 0.15 N/mm² with GPLM 0.30 N/mm² with TLM</p> <p>NPD</p> <p>Euroclass A1</p> <p>NPD</p> <p>Fixed Value 5/10</p> <p>730 kg/m³</p> <p>0.16 W/mK ($\lambda_{10,dry}$)</p> <p>For use above and below ground level</p>
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