

Declaration of Performance

UKCA - HCP100 - 01a

1. Product Type	Super Strength Grade Coursing Units
2. Product identification	HCP100
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	100
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 J Forsyth
Calum Forsyth (Managing Director)
 Borough Green, Kent
 30 September 2022

UK CA
H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ
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UKCA - HCP100 - 01a
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
Dimensions: (Length x Height x Width) 215mm x 65mm x 100mm Dimensional tolerances: Category: GPLM Configuration: Solid (Group 1 unit to EN1996-1-1) Compressive strength: Mean 8.7 N/mm ² (⊥ bedface, whole unit) (Cat II) Dimension stability: Moisture movement: 0.4 mm/m Bond strength (initial shear): Fixed Value 0.15 N/mm ² with GPLM 0.30 N/mm² with TLM Flexural Bond strength: NPD Reaction to fire: Euroclass A1 Water absorption: NPD Water vapour diffusion coefficient: Fixed Value 5/10 Gross density: 730 kg/m ³ Thermal conductivity: 0.16 W/mK ($\lambda_{10,dry}$) Durability: For use above and below ground level