

Declaration of Performance

UKCA - HCP100 - 01

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	I	
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

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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 I, 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 (\perp bedface, whole unit) (Cat I)
Dimension stability:	Moisture movement: 0.4 mm/m
Bond strength (initial shear):	Fixed Value 0.15 N/mm ² with GPLM 0.30 N/mm ² 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