UKCA

Declaration of Performance

UKCA - NRC100 - 01

1. Product Type	High Strength Grade Celcon Blocks		
2. Product identification	NRC100		
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	2+		
6. UK Designated Stand	rd BS EN 771-4:2011 + A1:2015		
7. UK Approved Body	British Board of Agrément, PO Box 195, Bucknalls Lane, Garston, Watford, Herts WD25 7NG (Approved Body reference N° 0836)		

8. Declared Performance

Essential characteristics		Performance	
	length, mm	440	
Dimensions	height, mm	215	
	width, mm	100	
Dimensional Tolerances		GPLM	
Compressive Strength unit category	/	l	
Mean compressive strength, N/mm ²		7.3	
Dimensional stability (shrinkage), m	ım/m	0.4	
		0.15 with GPLM	
Shear bond strength, N/mm ²		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	
		5/10	
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	

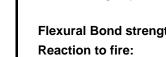
9. The performance of the product identified above is in conformity with the declared performance.

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

Calm J Farsyth

Calum Forsyth (Managing Director) Borough Green, Kent 12 May 2021



Durability:

Dimensions:

Configuration:

Dimensional tolerances:

Bond strength (initial shear):FixeFlexural Bond strength:NPEReaction to fire:EuroWater absorption:NPE	Mean
Flexural Bond strength:NPEReaction to fire:EuroWater absorption:NPE	Moistu
Reaction to fire:EuroWater absorption:NPE	Fixed
Reaction to fire:EuroWater absorption:NPE	
Water absorption: NPE	NPD
-	Eurocl
Water vapour diffusion coefficient: Fixe	NPD
	Fixed
Gross density: 730	730 kg
Thermal conductivity: 0.16	0.16 V

(Length x Height x Width)



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

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BS EN 771-4:2011 + A1:2015

High Strength Grade Celcon Blocks

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



440mm x 215mm x 100mm Category: GPLM Solid (Group 1 unit to EN1996-1-1) (1 bedface, whole unit) (Cat I) Mean 7.3 N/mm² isture movement: 0.4 mm/m 0.15 N/mm² with GPLM ed Value 0.30 N/mm² with TLM roclass A1 ed Value 5/10

) kg/m³ 0.16 W/mK (λ_{10,dry}) For use above and below ground level