Declaration of Performance

UKCA - URC100 - 01

1. Product Type	Solar Grade Celcon Blocks		
2. Product identification	URC100		
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 Standard 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
Dimensions	length, mm	440
	height, mm	215
	width, mm	100
Dimensional Tolerances		GPLM
Compressive Strength unit category	ý	II
Mean compressive strength, N/mm	2	2.9
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
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	460
Form and shape		Solid Group 1
Thermal conductivity, $\lambda_{10,dry}$ (P=50%)	6), W/mK	0.10

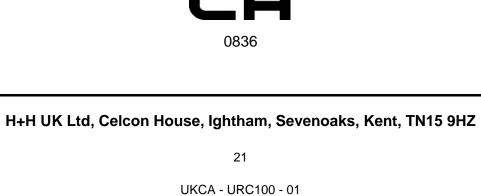
9. The performance of the product identified above is in conformity with the declared performance.

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



BS EN 771-4:2011 + A1:2015

Solar Grade Celcon Blocks

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)	440m
Dimensional tolerances:		
Configuration:		Solid
Compressive strength:		
Dimension stability:		
Bond strength (initial shear):		
Flexural Bond strength:		
Reaction to fire:		
Water absorption:		
Water vapour diffusion coefficient:		
Gross density:		
Thermal conductivity:		
Durability:		



mm x 215mm x 100mm egory: GPLM (Group 1 unit to EN1996-1-1) (⊥ bedface, whole unit) (Cat II) in 2.9 N/mm² sture movement: 0.4 mm/m d Value 0.15 N/mm² with GPLM 0.30 N/mm² with TLM oclass A1

d Value 5/10 kg/m³ W/mK ($\lambda_{10,dry}$) use above and below ground level