

Declaration of Performance

UKCA - NGP140 - 01

1. Product Type **High Strength Grade Celcon Plus Blocks**
2. Product identification **NGP140**
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	630
	height, mm	215
	width, mm	140
Dimensional Tolerances		TLMA
Compressive Strength unit category		I
Mean compressive strength, N/mm ²		7.3
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, λ _{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

Calum Forsyth (Managing Director)

Borough Green, Kent

12 May 2021

Document Version : - 01: First issue

 0836	
H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ 21 UKCA - NGP140 - 01	
BS EN 771-4:2011 + A1:2015 High Strength Grade Celcon Plus 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	
Dimensions: (Length x Height x Width) 630mm x 215mm x 140mm Dimensional tolerances: Category: TLMA Configuration: Solid (Group 1 unit to EN1996-1-1) Compressive strength: Mean 7.3 N/mm ² (⊥ 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 (λ _{10,dry}) Durability: For use above and below ground level	