

Declaration of Performance

UKCA - SGP150 - 01

1. Product Type Standard Grade Celcon Plus Blocks

2. Product identification SGP150

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	150
Dimensional Tolerances		TLMA
Compressive Strength unit category		II
Mean compressive strength, N/mm ²		3.6
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		600
Form and shape		Solid Group 1
Thermal conductivity, λ _{10,dry} (P=50%), W/mK		0.13

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 Fasyth

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

Standard 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 II, autoclaved aerated concrete masonry unit

Dimensions: (Length x Height x Width) 630mm x 215mm x 150mm

Dimensional tolerances: Category: TLMA

Configuration: Solid (Group 1 unit to EN1996-1-1)

Compressive strength: Mean 3.6 N/mm² (⊥ bedface, whole unit) (Cat II)

Dimension stability:Moisture movement: 0.4 mm/m

Bond strength (initial shear): Fixed Value 0.15 N/mm² 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: 600 kg/m³

Thermal conductivity: 0.13 W/mK $(\lambda_{10,dry})$

Durability: For use above and below ground level