Declaration of Performance

UKCA - SGP140 - 01

1. Product Type **Standard Grade Celcon Plus Blocks**

2. Product identification **SGP140**

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		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, $\lambda_{10,dry}$ (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

Calum J Forsyth

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 - SGP140 - 01

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 140mm
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