

Declaration of Performance

UKCA - HGP100 - 01

1. Product Type **Super Strength Grade Celcon Plus Blocks**
2. Product identification **HGP100**
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 | 100 |
| Dimensional Tolerances | | TLMA |
| Compressive Strength unit category | | I |
| Mean compressive strength, N/mm ² | | 8.7 |
| 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

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| H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ 21 UKCA - HGP100 - 01 | |
| BS EN 771-4:2011 + A1:2015 Super 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 100mm Dimensional tolerances: Category: TLMA Configuration: Solid (Group 1 unit to EN1996-1-1) Compressive strength: Mean 8.7 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 | |