

**H+H UK Limited-DECLARATION OF PERFORMANCE**

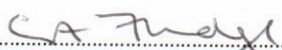
**No. HHUK-004c**

1. Unique identification code of the product-type: **Super Strength Grade Aircrete**
2. Type-, batch- or serial number or other marking for the identification of the construction product: **'H' Super Strength**
3. Intended use: **Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements**
4. Name and contact address of the manufacturer:  
**H+H UK Limited, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ, UK**  
**Tel: +44 1732 880333      Email: technical@hhcelcon.co.uk**
5. System or systems of assessment and verification of constancy of performance: **2+**
6. The notified factory production control body **British Board of Agrément, PO Box 195, Bucknalls Lane, Garston, Watford, Herts WD25 7NG (Notified Body reference no. 0836)** has performed the initial inspection of the manufacturing plant and of the factory production control, performs a continuous surveillance, assessment and evaluation of the factory production control and has issued the certificate of conformity of the factory production control.
7. Declared performance

| Essential characteristics                           |            | Performance  | Harmonised technical specification |
|---|------------|--|------------------------------------|
| Dimensions  | length, mm | Celcon Block      440<br>Celcon Plus Blocks 630<br>Jumbo Bloks      630<br>Multi Plates      630               | EN 771-4:2011                      |
|   | height, mm | Celcon Block      215<br>Celcon Plus Blocks 215<br>Jumbo Bloks      250<br>Multi Plates      350               |                                    |
|   | width, mm  | 100-350  |                                    |
| Dimensional Tolerances                              |            | Celcon Block      GPLM<br>Celcon Plus Blocks TLMA<br>Jumbo Bloks      TLMA<br>Multi Plates      TLMA           |                                    |
| Compressive Strength unit category                  |            | I  |                                    |
| Mean compressive strength N/mm <sup>2</sup>         |            | 8.7  |                                    |
| Dimensional stability (shrinkage), mm/m             |            | 0.4  |                                    |
| Shear bond strength, N/mm <sup>2</sup>              |            | 0.15 N/mm <sup>2</sup> with GPLM<br>0.30 N/mm <sup>2</sup> with TLM<br>(Tabulated value according to EN 998-2) |                                    |
| Reaction to fire                                    |            | Euroclass A1   |                                    |
| Water absorption, g/m <sup>2</sup> s <sup>0.5</sup> |            | NPD  |                                    |
| Water vapour diffusion coefficient μ                |            | 5/10<br>(Tabulated value according to EN1745)  |                                    |
| Durability (freeze-thaw resistance)                 |            | For use above and below ground level   |                                    |
| Gross dry bulk density, mean, kg/m <sup>3</sup>     |            | 730±50   |                                    |
| Form and shape                                      |            | Solid Group 1  |                                    |
| Thermal conductivity, W/(mK)                        |            | λ <sub>10dry</sub> (P=50%): 0,16   |                                    |

8. The performance of the product referring to in points 1 and 2 correspond to the declared performance at paragraph 7. This declaration of performance was issued under the sole responsibility of the manufacturer specified in paragraph 4.

Signed on behalf of H+H UK Limited by:

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Borough Green, Kent. 1<sup>st</sup> April 2016

C Fudge (Technical Director)