

H+H UK Limited-DECLARATION OF PERFORMANCE

No. HHUK-001a

1. Unique identification code of the product-type: **Solar Grade Aircrete**
2. Type-, batch- or serial number or other marking for the identification of the construction product in accordance with Article 11 paragraph 4: **'U' Solar**
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 in accordance with Article 11, paragraph 5:
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
<i>Dimensions</i>	<i>length, mm</i>	Celcon Block 440 Celcon Plus Blocks 630 Jumbo Bloks 630	EN 771-4:2011
	<i>height, mm</i>	Celcon Block 215 Celcon Plus Blocks 215 Jumbo Bloks 250	
	<i>width, mm</i>	100-350	
<i>Dimensional Tolerances</i>		Celcon Block GPLM Celcon Plus Blocks TLMA Jumbo Bloks TLMA	
<i>Compressive Strength unit category</i>		II	
<i>Mean compressive strength N/mm²</i>		2.9	
<i>Dimensional stability (shrinkage), mm/m</i>		0.4	
<i>Shear bond strength, N/mm²</i>		0.15 N/mm ² with GPLM 0.30 N/mm ² with TLM (Tabulated value according to EN 998-2)	
<i>Reaction to fire</i>		Euroclass A1	
<i>Water absorption, g/m²s^{0,5}</i>		NPD	
<i>Water vapour diffusion coefficient μ</i>		5/10 (Tabulated value according to EN1745)	
<i>Durability (freeze-thaw resistance)</i>		For use above and below ground level	
<i>Gross dry bulk density, mean, kg/m³</i>		460	
<i>Form and shape</i>		Solid Group 1	
<i>Thermal conductivity, W/(mK)</i>		λ _{10dry} (P=50%): 0,10	

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 1st August 2014

M Oliver (Managing Director)