

H+H UK Limited-DECLARATION OF PERFORMANCE

No. HHUK-004

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 in accordance with Article 11 paragraph 4: **'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 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
Dimensions	length, mm	Celcon Block 440 Celcon Plus Blocks 610 Jumbo Bloks 610 Multi Plates 610	EN 771-4:2011
	height, mm	Celcon Block 215 Celcon Plus Blocks 215 Jumbo Bloks 270 Multi Plates 375	
	width, mm	100-350	
Dimensional Tolerances		Celcon Block GPLM Celcon Plus Blocks TLMA Jumbo Bloks TLMA 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 0.30 N/mm <sup>2</sup> with TLM (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 $\mu$		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 <sup>3</sup>		750	
Form and shape		Solid Group 1	
Thermal conductivity, W/(mK)		$\lambda_{10dry}$ (P=50%): 0,17	

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:

Borough Green, Kent 8<sup>th</sup> April 2013

M Oliver (Managing Director)