H+H UK Limited-DECLARATION OF PERFORMANCE

No. HHUK-002

1. Unique identification code of the product-type: **Standard 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: **'S' Standard**
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	**75-350**	
Dimensional Tolerances		**Celcon Block GPLM** **Celcon Plus Blocks TLMA** **Jumbo Bloks TLMA** **Multi Plates TLMA**	
Compressive Strength unit category		**II**	
Mean compressive strength N/mm²		**3.6**	
Dimensional stability (shrinkage), mm/m		**0.4**	
Shear bond strength, N/mm²		**0.15 N/mm² with GPLM** **0.30 N/mm² with TLM** **(Tabulated value according to EN 998-2)**	
Reaction to fire		**Euroclass A1**	
Water absorption, $g/m^2s^{0,5}$		**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/m³		**600**	
Form and shape		**Solid Group 1**	
Thermal conductivity, W/(mK)		**λ_{10dry} (P=50%): 0,13**	

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 8th April 2013 **M Oliver (Managing Director)**