

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

No. HHUK-016a

1. Unique identification code of the product-type: **NRS100/120 High Strength Aircrete**
2. Intended use: **Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity and partitions. Below ground in sulfate levels DS1 to DS3.**
3. Manufacturer: **H+H UK Limited, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ, UK (manufactured at H+H LLC, Izvestkovaya street 1, Kikerino village, Volosovskiy district, Leningrad oblast, Russia 188400)**  
**Tel: +44 1732 886333 Email: technical@hhcelcon.co.uk**
4. System or systems of assessment and verification of constancy of performance: **2+**
5. Harmonised Standard: **EN771-4 +A1;2015**
6. Notified Body: **No. 1327, Certification centre of the Latvian academy of sciences, Akademijas laukums 1, LV-1050, Riga, Latvia**
7. Declared performance

Essential characteristics		Performance
Dimensions	length, mm	440
	height, mm	215
	width, mm	100
Dimensional Tolerances		GPLM
Compressive Strength unit category		I
Mean compressive strength N/mm <sup>2</sup>		7.3
Dimensional stability (shrinkage), mm/m		0.4
Shear bond strength, N/mm <sup>2</sup>		0.15 N/mm <sup>2</sup> with GPLM (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>		700 ±50
Form and shape		Solid Group 1
Thermal conductivity, W/(mK)		$\lambda_{10dry}$ (P=50%): 0,17 (Tabulated value according to EN1745)

8. The performance of the product identified above is in conformity the declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed on behalf of H+H UK Limited by:



Borough Green, Kent 12<sup>th</sup> September 2018

C Fudge (Technical Director)