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CONCRETE

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**Construction Products Regulation**  
Declaration of Performance

**Identification Code: FIRE-R7**  
**Certificate Number: HS/FA/EC/FS/9R7**

*Serial number:* FS90R7

*Intended use:* Concrete lintel intended for use in walls and partitions

*Manufacturer:* Naylor Concrete Products Ltd, Whaley Road, Barugh Green, Barnsley, South Yorkshire, S75 1HT

*Assessment and verification of constancy of performance:* System 3

*Relevant harmonised standard:* BS EN 845-2:2013+A1:2016

*Lucideon Ltd (Notified Body No.1289) carried out initial type testing to EN846-9:2016 under AVCP system 3 and issued test report Ref: UK214995/Ref.1/CR2*

**Declared Performance – Standard / Fair Faced**

<b>FIRE SPEC R7 – 90 MINS</b>	<b>Lintel Length</b>									
<b>Essential Characteristics</b>	900	1200	1500	1800	2100	2400	2700	3000	3300	3600
Load bearing capacity (kNm <sup>-1</sup> )	76.72	45.80	32.44	21.06	14.67	10.73	8.12	6.32	5.01	3.59
Deflection at 1/3 of load capacity (mm)	2.42									
Thermal resistance	Thermal conductivity $\lambda_{10,dry,mat}$ (according to EN 1745) 1.52 W/m.K									
Resistance to fire	90 minutes									
Durability of performance characteristics against corrosion	C2 - from table C3 EN 845-2:2016 (E)									
Durability of performance characteristics against freeze/thaw cycle	Resistant									
Water absorption	1.15 C <sub>w,s</sub>									
Water vapour permeability	NPD									
Dangerous substances	None									

*The performance of the product identified is in conformity with the declared performance above. This declaration of performance is issued under the sole responsibility of the manufacturer identified.*

Signed for and on behalf of the manufacturer by:

**H MacIntosh**, (Technical and Development Director), 17<sup>th</sup> May 2022