



**Construction Products Regulation
Declaration of Performance**

**Identification Code: FIRE-R8
Certificate Number: HS/FA/EC/FS/9R8**

Serial number: FS90R8

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

FIRE SPEC R8 – 90 MINS	Lintel Length									
Essential Characteristics	900	1200	1500	1800	2100	2400	2700	3000	3300	3600
Load bearing capacity (kNm ⁻¹)	107.27	60.54	47.75	35.86	27.02	20.66	15.87	12.53	10.11	8.84
Deflection at 1/3 of load capacity (mm)	2.71									
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 _{w,s}									
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), 17th May 2022