

**NAYLOR**  
CONCRETE

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**Construction Products Regulation**  
Declaration of Performance

**Identification Code: ER1**  
**Certificate Number: HS/FA/EC/FS/ ER1**

*Serial number:* EC-ER1

*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**

<b>ER1</b>	<b>Lintel Length</b>					
<b>Essential Characteristics</b>	<i>900</i>	<i>1200</i>	<i>1500</i>	<i>1800</i>	<i>2100</i>	<i>2400</i>
Load bearing capacity (kNm <sup>-1</sup> )	9.27	5.00	3.46	2.18	1.48	1.05
Deflection at 1/3 of load capacity (mm)	2.20					
Thermal resistance	Thermal conductivity $\lambda_{10,dry,mat}$ (according to EN 1745) 1.52 W/m.K					
Resistance to fire	30 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					

Signed for and on behalf of the manufacturer by:

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