



Construction Products Regulation
Declaration of Performance
Identification Code: FIRE-R13
Certificate Number: HS/FA/EC/FS/12R13

Serial number: FS120R13

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 R13 – 120 MINS | Lintel Length | | | | | | | | | |
|---|---|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Essential Characteristics | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 | 3600 |
| Load bearing capacity (kNm ⁻¹) | 167.65 | 107.70 | 81.36 | 61.56 | 46.62 | 35.77 | 27.56 | 21.80 | 17.60 | 15.05 |
| Deflection at 1/3 of load capacity (mm) | 2.18 | | | | | | | | | |
| Thermal resistance | Thermal conductivity $\lambda_{10,dry,mat}$ (according to EN 1745) 1.52 W/m.K | | | | | | | | | |
| Resistance to fire | 120 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