



**Construction Products Regulation
Declaration of Performance**

Identification Code: R190
Certificate Number: HS/FA/CH/CO/R190

Serial number: None

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: EN 845-2:2013

Lucideon Ltd (Notified Body No.1289) carried out initial type testing to EN845-2:2013 under AVCP system 3 and issued test report Ref: 132024/Ref 11

Declared Performance – Standard / Fair Faced

| HI SPEC R190 – 120 MINS FIRE | Lintel Length | | | | | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| Essential Characteristics | 900 | 1100 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 | 3300 | 3600 | |
| Load bearing capacity (kNm ⁻¹) | 121.36 | 95.16 | 85.70 | 65.29 | 43.16 | 30.51 | 22.61 | 17.35 | 13.67 | 11.00 | 9.60 | |
| Deflection at 1/3 of load capacity (mm) | 3.00 | | | | | | | | | | | |
| 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 845-2:2013 (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, (Divisional Director), Barugh Green, 17th March 2017