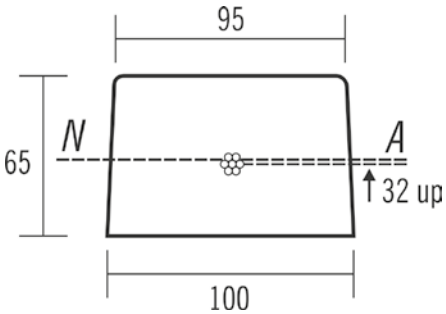


DECLARATION OF PERFORMANCE
No13-SC-L01g



Product Type/Identification: Pre-stressed Lintel 2100 × 65 × 100mm
 Intended Use: Walls and partitions
 Manufacturer: Stowell Concrete Ltd
 Arnolds Way, Yatton, North Somerset, BS49 4QN
 Authorised Representative: Not Applicable
 AVCP: System 3
 Harmonised Standard: EN845-2: 2013
 ETA: N/A
 Notified Body: N/A

Declared Performance:

| Essential Characteristics | Performance | Harmonised Technical Specification |
|---|--|---|
| Concrete: Design compressive strength | C40/50 | EN845-2: 2013  Section of Lintel – nominal dimensions in mm Tendons 1 × 9.3mm Ø strand Initial stress $\sigma_{pi} = 1240 \text{ N/mm}^2$ End protrusion of wires $l < 10 \text{ mm}$ |
| Pre-stressing steel: Design Ultimate Tensile strength... f_{pk} | 1770 N/mm ² | |
| Tensile 0.1% proof-stress... $f_{p0,1k}$ | 1550 N/mm ² | |
| Load-bearing capacity | 7.8 kN | |
| Deflection | 6.0 mm at 3.5 kN | |
| Water absorption | NPD | |
| Water vapour permeability | 5/15 | |
| Mass per unit length | 15.8 kg/m | |
| Thermal conductivity | 1.52 ($\lambda > 10$, dry unit) W/mK | |
| Resistance to fire | Dependent upon adjacent construction | |
| Durability (against corrosion) | XC1, XC2, XC3, XC4 & XD1 | |
| Durability (against freeze/thaw) | Resistant | |
| Dangerous substance | NPD | |
| For detailing etc – see Technical Information, available on request | | |

This declaration of performance is issued under the sole responsibility of the manufacturer above.

Signed on behalf of Stowell Concrete Ltd:

Vincent Stowell
 Managing Director 4th November 2013.