

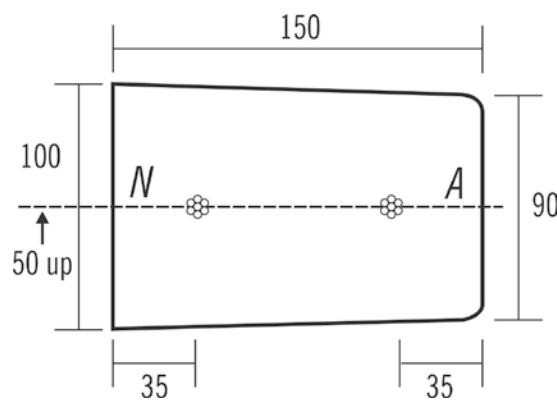
DECLARATION OF PERFORMANCE

No13-SC-L03g



Product Type/Identification: Pre-stressed Lintel 2100 × 100 × 150mm
 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  <p style="text-align: center;">Section of Lintel – nominal dimensions in mm</p> <p>Tendons 2 × 9.3mm Ø strand Initial stress $\sigma_{pi} = 1240 \text{ N/mm}^2$ End protrusion of wires $l < 10 \text{ mm}$</p>
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	16.6 kN	
Deflection	6.0 mm at 7.4 kN	
Water absorption	NPD	
Water vapour permeability	5/15	
Mass per unit length	35.6 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.