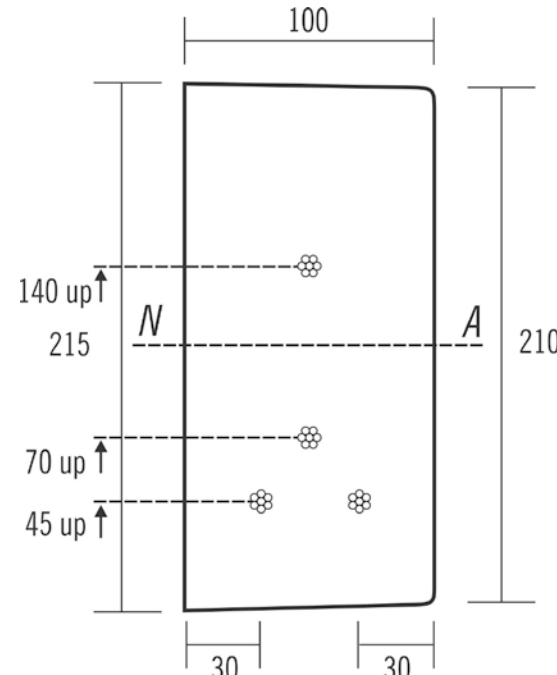


DECLARATION OF PERFORMANCE
No13-SC-L04a



Product Type/Identification: Pre-stressed Lintel 1800 × 215 × 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	C50/60	EN845-2: 2013  Section of Lintel – nominal dimensions in mm Tendons 4 × 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	111 kN		
Deflection	5.1 mm at 49.4 kN		
Water absorption	NPD		
Water vapour permeability	5/15		
Mass per unit length	53 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.