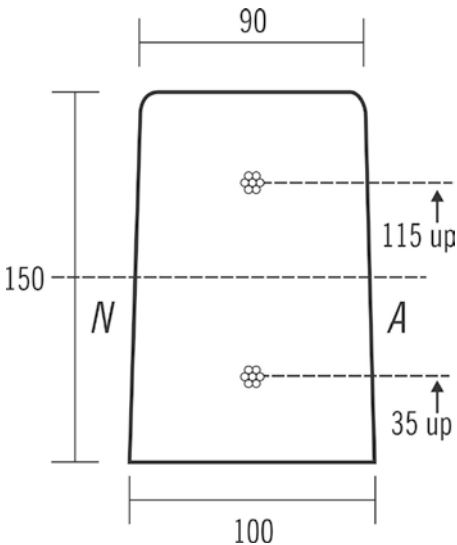


**DECLARATION OF PERFORMANCE**  
**No13-SC-L02f**



Product Type/Identification: Pre-stressed Lintel 1800 × 150 × 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  
Pre-stressing steel: Design Ultimate Tensile strength... fpk	1770 N/mm <sup>2</sup>	
Tensile 0.1% proof-stress... fp0,1k	1550 N/mm <sup>2</sup>	
Load-bearing capacity	26.1 kN	
Deflection	5.1 mm at 11.6 kN	
Water absorption	NPD	
Water vapour permeability	5/15	
Mass per unit length	35.6 kg/m	
Thermal conductivity	1.52 (> 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		

Section of Lintel – nominal dimensions in mm

Tendons 2 × 9.3mm Ø strand  
 Initial stress  $\sigma_{pi} = 1240 \text{ N/mm}^2$   
 End protrusion of wires  $l < 10 \text{ mm}$

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.