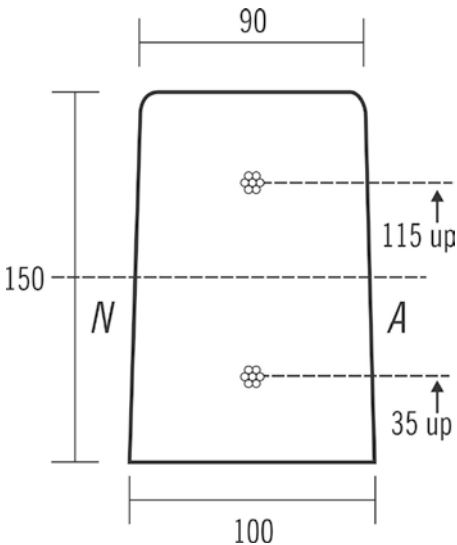


**DECLARATION OF PERFORMANCE**  
**No13-SC-L02i**



Product Type/Identification: Pre-stressed Lintel 2700 × 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... $f_{pk}$	1770 N/mm <sup>2</sup>		
Tensile 0.1% proof-stress... $f_{p0,1k}$	1550 N/mm <sup>2</sup>		
Load-bearing capacity	21.8 kN		
Deflection	7.8 mm at 9.7 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			

Section of Lintel – nominal dimensions in mm

Tendons 2 × 9.3mm  $\varnothing$  strand  
 Initial stress  $\sigma_{pi} = 1240$  N/mm<sup>2</sup>  
 End protrusion of wires  $l < 10$  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.