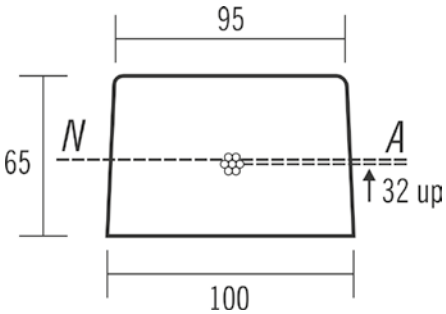


**DECLARATION OF PERFORMANCE**  
**No13-SC-L01a**



Product Type/Identification: Pre-stressed Lintel 900 × 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 <sup>2</sup>	
Tensile 0.1% proof-stress... $f_{p0,1k}$	1550 N/mm <sup>2</sup>	
Load-bearing capacity	9.9 kN	
Deflection	2.3 mm at 4.4 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.