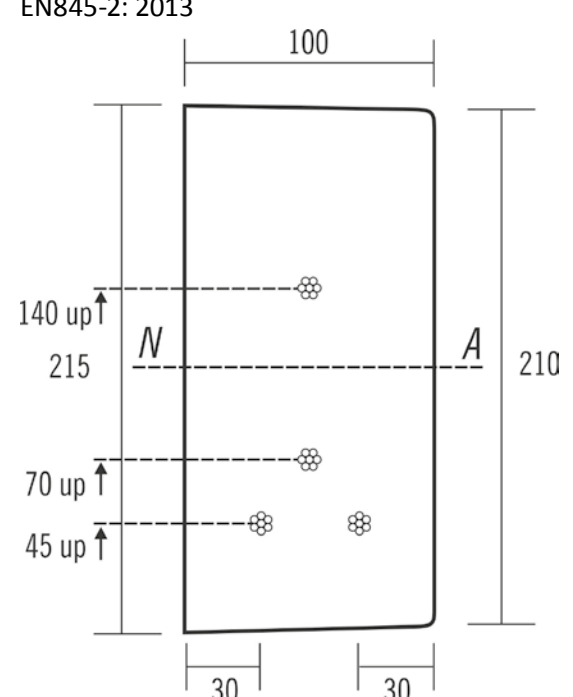


DECLARATION OF PERFORMANCE No13-SC-L04d



Product Type/Identification:	Pre-stressed Lintel 2700 × 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	<p>EN845-2: 2013</p>  <p>Section of Lintel – nominal dimensions in mm</p> <p>Tendons 4 × 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	106 kN	
Deflection	7.8 mm at 47.2 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.