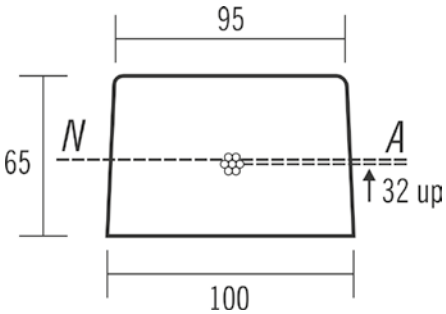


**DECLARATION OF PERFORMANCE**  
**No13-SC-L01j**



Product Type/Identification: Pre-stressed Lintel 3000 × 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<br><br><br><br>Section of Lintel –<br>nominal dimensions in mm<br><br>Tendons 1 × 9.3mm Ø strand<br>Initial stress $\sigma_{pi} = 1240 \text{ N/mm}^2$<br>End protrusion of wires $l < 10 \text{ mm}$ |
| Pre-stressing steel:<br>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  | 6.2 kN                                 |  |
| Deflection   | 8.8 mm at 2.7 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.