

# DECLARATION OF PERFORMANCE

## No. R15180

**1. Unique identification code of the product type:**

Prestressed Concrete Lintel - Textured Finish  
R15180

**2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:**

Prestressed Concrete Lintel - Textured Finish Length, L (mm): 1800  
R15: Profile, h x w (mm): 100 x 140 (h = lintel height)  
R15A: Profile, h x w (mm): 140 x 100 (h = lintel height)

**3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**

Intended use in masonry walls and partitions - to support loads over openings with a semi-structural role in the works (up to a maximum clear span of 3.9 m)

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):**

Supreme Concrete Limited  
Coppingford Hall, Coppingford Road, Sawtry, Cambridgeshire, PE28 5GP, UK

**5. System of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

System 3

**6. In case of the declaration of performance concerning a construction product covered by a harmonized standard:**

EN 845-2:2013  
Notified Body: BRE (Notified Body ID No. 0832) performed initial type testing under AVCP System 3 and issued test/ calculation reports: No. 258-597

**7. Declared performance:**

Essential Characteristics	Performance (lintel orientation 1)	Performance (lintel orientation 2)	Harmonised Technical Specification
	R15	R15A	EN 845-2:2013
<b>Load bearing capacity:</b>	18.45 kN/m	31.87 kN/m	
Profile (height, h x width, w):	100 x 140 mm	140 x 100 mm	
Length:	1800 mm	1800 mm	
Minimum built-in length:	150 mm	150 mm	
Failure mode(s):	Flexure & Shear	Flexure & Shear	
<b>Deflection at 1/3 load capacity:</b>	1.03 mm	1.49 mm	
<b>Water absorption:</b>	1.6 g/m <sup>2</sup> .s	1.6 g/m <sup>2</sup> .s	
<b>Water vapour permeability:</b>	5/15 μ	5/15 μ	
<b>Mass per unit area:</b>	NPD kg/m <sup>2</sup>	NPD kg/m <sup>2</sup>	
<b>Thermal resistance (thermal conductivity):</b>	1.19 W/(m.K)	1.19 W/(m.K)	
<b>Resistance to fire:</b>	R30	R30	
<b>Durability (against corrosion):</b>	A2	B2	
<b>Durability (against freeze/thaw):</b>	Resistant	Resistant	
<b>Dangerous substances:</b>	None	None	
For geometrical data and load/span tables, see the Technical Documentation.			
<u>Technical Documentation:</u> Product Catalogue Product technical file (LI) Website: www.supremeconcrete.co.uk			

**8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

Signed for and on behalf of the manufacturer by:

Signature:



Name: Richard Lee  
Position: Managing Director  
Place: Coppingford Hall, PE28 5GP, UK  
Date: 9th September 2013