SUPREME

DECLARATION OF PERFORMANCE

No. R21300

1. Unique identification code of the product type:

Prestressed Concrete Lintel - Textured Finish
R21300

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): 3000
R21: Profile, h x w (mm): 140 x 215 (h = lintel height)
R21A: Profile, h x w (mm): 215 x 140 (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 845-2:2003
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
	R21	R21A	EN 845-2:2003
Load bearing capacity:	17.91 kN/m	29.54 kN/m	
Profile (height, h x width, w):	140 x 215 mm	215 x 140 mm	
Length:	3000 mm	3000 mm	
Minimum built-in length:	150 mm	150 mm	
Failure mode(s):	Flexure & Shear	Flexure & Shear	
Deflection at ⅓ load capacity:	3.48 mm	5.47 mm	
Water absorption:	1.6 $g/m^2.s$	1.6 $g/m^2.s$	
Water vapour permeability:	5/15 μ	5/15 μ	
Mass per unit area:	NPD kg/m²	NPD kg/m²	
Thermal resistance (thermal conductivity):	1.19 W/(m.K)	1.19 W/(m.K)	
Resistance to fire:	R120	R60	
Durability (against corrosion):	A2	B2	
Durability (against freeze/thaw):	Resistant	Resistant	
Dangerous substances:	None	None	

For geometrical data and load/span tables, see the Technical Documentation.

Technical Documentation:
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