



Declaration of Performance

Prestressed concrete lintels

- Manufacturer:** Ibstock, Leicester Road, LE67 6HS
- Intended use:** 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 3.3 m)
- System of assessment and verification:** System 3
- Notified Body:** BRE (Notified Body ID No. 0832) performed initial type testing under AVCP System 3 and issued test/ calculation reports: No. 258-597

Lintel Reference:	HF R21															
Lintel length (mm)	600	750	900	1050	1200	1350	1500	1650	1800	2100	2400	2700	3000	3300	3600	4200
Lintel clear span (mm)	300	450	600	750	900	1050	1200	1350	1500	1800	2100	2400	2700	3000	3300	3900
Load Bearing capacity (kN/m)	175.77	127.64	100.14	82.34	60.61	45.66	35.37	28.46	23.24	16.28	11.96	9.10	7.11	5.67	4.60	3.12
Deflection at 1/4 load capacity	0.02	0.05	0.10	0.16	0.22	0.29	0.37	0.46	0.55	0.78	1.06	1.40	1.79	2.26	2.80	4.16
Harmonised standard	BS EN 845-2															
Profile (Width x Height)	215 x 140 mm															
Minimum built in length	150 mm															
Failure mode(s)	Flexure & Shear															
Water absorption	1.6 g/m ² .s															
Water Vapour Permeability	5/15 µ															
Mass per unit area	486.7 kg/m ²															
Thermal resistance	1.00 W/(m.K)															
Resistance to fire	R120															
Durability (Against corrosion)	A2															
Durability (Against freeze/thaw)	Resistant															
Dangerous substances	None															

The declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 1.

Technical documentation and load/span tables, see the Product catalogue or website: www.supremeconcrete.co.uk

Signed for and on behalf of the manufacturer by:

Name: Will Hicks

Position: Ibstock Concrete Operations Director

Place: Ibstock, Leicester Road, LE67 6HS

Date: 3rd February 2020