



Supreme

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: | R15A | | | | | | | | | | | | | | | |
|----------------------------------|-------------------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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) | 83.25 | 60.46 | 47.43 | 37.5 | 27.00 | 20.34 | 15.84 | 12.67 | 10.35 | 7.24 | 5.32 | 4.04 | 3.16 | 2.51 | 2.03 | 1.38 |
| Deflection at 1/4 load capacity | 0.02 | 0.05 | 0.10 | 0.16 | 0.22 | 0.28 | 0.35 | 0.44 | 0.53 | 0.75 | 1.02 | 1.35 | 1.73 | 2.18 | 2.71 | 4.03 |
| Harmonised standard | BS EN 845-2 | | | | | | | | | | | | | | | |
| Profile (Width x Height) | 100 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 | 224.4 kg/m ² | | | | | | | | | | | | | | | |
| Thermal resistance | 1.00 W/(m.K) | | | | | | | | | | | | | | | |
| Resistance to fire | R30 | | | | | | | | | | | | | | | |
| Durability (Against corrosion) | B2 | | | | | | | | | | | | | | | |
| 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