

Declaration of Performance

No. DOP/02-210901

| | | | | | | | | | | |
|------|---|--|------|------|------|------|------|------|------|------|
| 1 | Product type | 100x65 prestressed concrete lintel | | | | | | | | |
| 2 | Product type number | 02 | | | | | | | | |
| 3 | Intended use | In walls and partitions | | | | | | | | |
| 4 | Manufacturer | Stressline Limited Foxbank Industrial Estate Stoney Stanton Leicestershire LE9 4LX United Kingdom | | | | | | | | |
| 5 | Authorised representative | Not applicable | | | | | | | | |
| 6 | System of assessment of performance | System 3 | | | | | | | | |
| 7 | Reference harmonised standard | BS 845-2:2013 Assessment: Lucideon (NB1289) Reference: 133162 (QT-27317/3/SL)/Ref. 1 | | | | | | | | |
| 8 | European Technical Assessment | Not applicable | | | | | | | | |
| 9 | Declared performance | | | | | | | | | |
| 9.1 | Load bearing capacity (kN/m) | Lintel Length (mm) | | | | | | | | |
| | | 600-750 | 900 | 1050 | 1200 | 1350 | 1500 | 1650 | 1800 | 2100 |
| | (used 65 wide x 100 deep) | 23.9 | 18.8 | 12.4 | 8.7 | 6.5 | 5.0 | 3.9 | 3.2 | 2.2 |
| | (used 100 wide x 65 deep) | 23.9 | 13.8 | 8.9 | 6.5 | 5.3 | 4.1 | 3.2 | 2.6 | 1.8 |
| 9.2 | Deflection under load | ≤ Effective span/325 at safe working load | | | | | | | | |
| 9.3 | Water absorption | NPD | | | | | | | | |
| 9.4 | Water vapour diffusion coefficient | 50/150 (BS 1745:2012 Table A.3) | | | | | | | | |
| 9.5 | Direct airborne sound insulation | Mass per unit area: 156 kg/m ² (used 65 wide); 240 kg/m ² (used 100 wide) | | | | | | | | |
| 9.6 | Thermal resistance | 1.52 W/(m.K) ($\lambda_{10,dry,mat}$, S1) (BS 1745:2012 Table A.3) | | | | | | | | |
| 9.7 | Resistance to fire | R30 (BS 1992-1-2:2004 Table 5.8) | | | | | | | | |
| 9.8 | Durability of performance (corrosion) | Resistant (Material reference C2, BS 845-2:2013 Table C.3) | | | | | | | | |
| 9.9 | Durability of performance (freeze/thaw) | XF1 (BS 1992-1-1:2004 Table 4.1) | | | | | | | | |
| 9.10 | Dangerous substances | Not applicable | | | | | | | | |

10 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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:



Chris Fox
Managing Director

Stoney Stanton, September 2021



Stressline Limited, Foxbank Industrial Estate, Leicestershire, LE9 4LX

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Lucideon (NB1289) Reference: 133162 (QT-27317/3/SL)/Ref. 1

BS 845-2

Product type 100x65 prestressed concrete lintel,
intended to be used in walls and partitions

| Load bearing capacity | Lintel Length (mm) | | | | | | | | |
|---|---|------|------|------|------|------|------|------|------|
| | 600-750 | 900 | 1050 | 1200 | 1350 | 1500 | 1650 | 1800 | 2100 |
| (used 65 wide x 100 deep) | 23.9 | 18.8 | 12.4 | 8.7 | 6.5 | 5.0 | 3.9 | 3.2 | 2.2 |
| (used 100 wide x 65 deep) | 23.9 | 13.8 | 8.9 | 6.5 | 5.3 | 4.1 | 3.2 | 2.6 | 1.8 |
| Deflection under load | ≤ Effective span/325 at safe working load | | | | | | | | |
| Water absorption | NPD | | | | | | | | |
| Water vapour diffusion coefficient | 50/150 | | | | | | | | |
| Direct airborne sound insulation | Mass per unit area: 156 kg/m ² (used 65 wide); 240 kg/m ² (used 100 wide) | | | | | | | | |
| Thermal resistance | 1.52 W/(m.K) ($\lambda_{10,dry,mat}$, S1) | | | | | | | | |
| Resistance to fire | R30 | | | | | | | | |
| Durability of performance (corrosion) | Resistant | | | | | | | | |
| Durability of performance (freeze/thaw) | XF1 | | | | | | | | |
| Dangerous substances | Not applicable | | | | | | | | |

See also Declaration of Performance DOP/02-210901