# Declaration of Performance

**No. DOP/SL110CXHD225WIL-210901**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Product type | SL110 CXHD 225 WIL steel cavity lintel | | | | | |
| 2 | Product type number | GF1 | | | | | |
| 3 | Intended use | In cavity walls | | | | | |
| 4 | Manufacturer | Stressline Limited<br>Foxbank Industrial Estate<br>Stoney Stanton<br>Leicestershire<br>LE9 4LX<br>United Kingdom | | | | | |
| 5 | Authorised representative | Not applicable | | | | | |
| 6 | System of assessment of performance | System 3 | | | | | |
| 7 | Reference harmonised standard | BS 845-2:2013<br>Assessment: Lucideon (NB1289) Reference: 133162 (QT-27317/3/SL)/Ref. 2 | | | | | |
| 8 | European Technical Assessment | Not applicable | | | | | |
| 9 | Declared performance | | | | | | |
| 9.1 | Load bearing capacity (kN) | Lintel Length (mm) | | | | | |
| | | 600-1800 | 1950-3000 | 3150-3900 | 4050-4500 | 4650-4800 | 4950-5100 |
| | Load ratio 5:1 | 89 | 71 | 55 | 42 | 37 | 32 |
| | Load ratio 19:1 | 75 | 60 | 46 | 40 | 35 | 30 |
| 9.2 | Deflection under load | ≤ Effective span/325 at safe working load | | | | | |
| 9.2 | Water absorption | Zero | | | | | |
| 9.3 | Direct airborne sound insulation (kg/m$^2$) | 96.2 | | | | | |
| 9.4 | Thermal resistance | Steel: 50 W/(m.K)<br>Polystyrene: 0.035 W/(m.K) | | | | | |
| 9.5 | Resistance to fire | NPD | | | | | |
| 9.6 | Durability of performance (corrosion) | Material: Z600 galvanised steel | | | | | |
| 9.7 | Durability of performance (freeze/thaw) | Resistant | | | | | |
| 9.8 | 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:

Christopher Fox.

Stoney Stanton, September 2021

Chris Fox
Managing Director

UK CA

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

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Lucideon (NB1289) Reference: 133162 (QT-27317/3/SL)/Ref. 2

BS 845-2

SL110 CXHD 225 WIL steel cavity lintel,
intended to be used in cavity walls

| Load bearing capacity | Lintel Length (mm) | | | | | |
|---|---|---|---|---|---|---|
| | 600-1800 | 1950-3000 | 3150-3900 | 4050-4500 | 4650-4800 | 4950-5100 |
| Load ratio 5:1 | 89 | 71 | 55 | 42 | 37 | 32 |
| Load ratio 19:1 | 75 | 60 | 46 | 40 | 35 | 30 |
| Deflection under load | ≤ Effective span/325 at safe working load | | | | | |
| Water absorption | Zero | | | | | |
| Direct airborne sound insulation ($kg/m^2$) | 96.2 | | | | | |
| Thermal resistance | Steel: 50 W/(m.K)<br>Polystyrene: 0.035 W/(m.K) | | | | | |
| Resistance to fire | NPD | | | | | |
| Durability of performance (corrosion) | Material: Z600 galvanised steel | | | | | |
| Durability of performance (freeze/thaw) | Resistant | | | | | |
| Dangerous substances | Not applicable | | | | | |

See also Declaration of Performance DOP/SL110CXHD225WIL-210901