Declaration of Performance

No. DOP/SL100BOX-210901

1	Product type	SL100 BOX steel lintel							
2	Product type number	F01							
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. 2							
8	European Technical Assessment	Not applicable							
9	Declared performance								
9.1	Load bearing capacity (kN)	Lintel Length (mm)							
		600-1500	1650-2100	2250-2400	2550-2700	2850-3600	3750-4200	4350-4800	4950-5100
		24	30	28	24	35	30	29	27
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)	63.0	55.3	55.3	55.3	70.7	70.7	70.7	70.7
9.4	Thermal resistance	Steel: 50 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:



Stoney Stanton, September 2021

Chris Fox
Managing Director

UK CA

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

21

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

BS 845-2

SL100 BOX steel lintel,
intended to be used in walls and partitions

Load bearing capacity	Lintel Length (mm)							
	600-1500	1650-2100	2250-2400	2550-2700	2850-3600	3750-4200	4350-4800	4950-5100
	24	30	28	24	35	30	29	27
Deflection under load	≤ Effective span/325 at safe working load							
Water absorption	Zero							
Direct airborne sound insulation (kg/m^2)	63.0	55.3	55.3	55.3	70.7	70.7	70.7	70.7
Thermal resistance	Steel: 50 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/SL100BOX-210901