Declaration of Performance

No. DOP/SL50CXHD225-210901

1	Product type	SL50 CXHD 225 steel cavity lintel					
2	Product type number	AF0					
3	Intended use	In cavity walls					
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)					
		600-1800	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)	80.5					
9.4	Thermal resistance	Steel: 50 W/(m.K) 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:



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

SL50 CXHD 225 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)	80.5					
Thermal resistance	Steel: 50 W/(m.K) 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/SL50CXHD225-210901