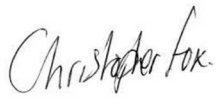
Declaration of Performance									
No. DOP/032-210901									
1	Product type	100x110 fair faced prestressed concrete lintel							
2	Product type number	032							
3	Intended use	In walls and partitions							
4	Manufacturer	Stressline Limited Foxbank Industrial Estate Stoney Stanton Leicestershire 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)							
		900	1200	1500	1800	2100	2400	2700	3000
		43.5	24.1	14.0	9.1	6.3	4.7	3.5	2.8
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: 240 kg/m^2							
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:  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. 1

BS 845-2

Product type 100x110 fair faced prestressed concrete lintel, intended to be used in walls and partitions

Load bearing capacity (kN/m)	Lintel Length (mm)							
	900	1200	1500	1800	2100	2400	2700	3000
	43.5	24.1	14.0	9.1	6.3	4.7	3.5	2.8
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: 240 kg/m^2							
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/032-210901