Declaration of Performance										
No. DOP/031-210901										
1	Product type	100x110 high strength prestressed concrete lintel								
2	Product type number	031								
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	1350	1500	1650	1800	2100	2400	2700	3000
		41.5	24.7	18.6	14.3	11.5	9.3	6.5	4.8	3.6	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

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

BS 845-2

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

Load bearing capacity (kN/m)	Lintel Length (mm)									
	900	1200	1350	1500	1650	1800	2100	2400	2700	3000
	41.5	24.7	18.6	14.3	11.5	9.3	6.5	4.8	3.6	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/031-210901