Declaration of Performance												
No. DOP/0X1-210901												
1	Product type	215x215 high strength prestressed concrete lintel										
2	Product type number	0X1										
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	3300	3600	4050	4200
		143.0	112.4	77.8	51.6	36.5	27.1	20.09	16.5	13.3	10.9	9.0	7.6
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: 516 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 215x215 high strength 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	3300	3600	4050	4200
	143.0	112.4	77.8	51.6	36.5	27.1	20.09	16.5	13.3	10.9	9.0	7.6
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: 516 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/0X1-210901