

## Declaration of Performance

**No. DOP/0N-210901**

1	Product type	R15 100x140 universal prestressed concrete lintel													
2	Product type number	0N													
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)													
		1050	1200	1350	1500	1650	1800	2100	2400	2700	3000	3300	3600	4050	4200
	(used 100 wide x 140 deep)	40.2	28.2	21.8	17.0	13.6	11.1	7.8	5.7	4.4	3.4	2.7	2.2	1.8	1.5
	(used 140 wide x 100 deep)	35.9	26.3	19.3	14.8	11.8	9.5	6.6	4.8	3.6	2.8	2.2	1.8	1.5	1.2
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 <sup>2</sup> (Used 100 wide); 336 kg/m <sup>2</sup> (Used 140 wide)													
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:														
		 <hr style="border-top: 1px dashed black;"/>													
	Stoney Stanton, September 2021	Chris Fox Managing Director													



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

Lintel type R15 100x140 universal prestressed concrete lintel,  
intended to be used in walls and partitions

Load bearing capacity	Lintel Length (mm)													
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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/0N-210901