


**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) (λ <sub>10,dry,mat</sub> , 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	<p>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.</p> <p>Signed for and on behalf of the manufacturer by:</p> <div style="text-align: right;">  </div>														
Stoney Stanton, September 2021		<div style="text-align: right;"> <hr style="border: none; border-top: 1px dashed black; margin-bottom: 5px;"/> Chris Fox Managing Director </div>													



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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(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
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Deflection under load	$\leq$ Effective span/325 at safe working load													
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Water vapour diffusion coefficient	50/150													
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)													
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/0N-210901