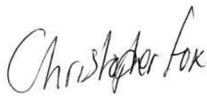


| Declaration of Performance |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                  |      |      |      |      |      |      |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|
| No. DOP/0H-210901          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                  |      |      |      |      |      |      |
| 1                          | Product type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 215x65 prestressed concrete lintel                                                                               |      |      |      |      |      |      |
| 2                          | Product type number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0H                                                                                                               |      |      |      |      |      |      |
| 3                          | Intended use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | In walls and partitions                                                                                          |      |      |      |      |      |      |
| 4                          | Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stressline Limited<br>Foxbank Industrial Estate<br>Stoney Stanton<br>Leicestershire<br>LE9 4LX<br>United Kingdom |      |      |      |      |      |      |
| 5                          | Authorised representative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Not applicable                                                                                                   |      |      |      |      |      |      |
| 6                          | System of assessment of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | System 3                                                                                                         |      |      |      |      |      |      |
| 7                          | Reference harmonised standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BS 845-2:2013<br>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)                                                                                               |      |      |      |      |      |      |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 600                                                                                                              | 900  | 1050 | 1200 | 1500 | 1800 | 2100 |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 36.4                                                                                                             | 36.4 | 23.7 | 17.0 | 9.6  | 6.1  | 4.2  |
| 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: 516 kg/m <sup>2</sup>                                                                        |      |      |      |      |      |      |
| 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                         | <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;"> <br/> <hr style="width: 200px; margin-left: auto;"/> <p>Chris Fox<br/>Managing Director</p> </div> <p>Stoney Stanton, September 2021</p> |                                                                                                                  |      |      |      |      |      |      |



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 100x65 prestressed concrete lintel,  
intended to be used in walls and partitions

| Load bearing capacity                   | Lintel Length (mm)                             |      |      |      |      |      |      |
|-----------------------------------------|------------------------------------------------|------|------|------|------|------|------|
|                                         | 600                                            | 900  | 1050 | 1200 | 1500 | 1800 | 2100 |
|                                         | 36.4                                           | 36.4 | 23.7 | 17.0 | 9.6  | 6.1  | 4.2  |
| Deflection under load                   | $\leq$ 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 <sup>2</sup>      |      |      |      |      |      |      |
| 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/0H-210901