

# Declaration of Performance

No. DOP/TSL110XHD-260901

|                                |                                                                                                                                                                                                                                                                                                   |                                                                                                                  |           |           |           |           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| 1                              | Product type                                                                                                                                                                                                                                                                                      | TSL110XHD steel cavity lintel                                                                                    |           |           |           |           |
| 2                              | Product type number                                                                                                                                                                                                                                                                               | TG3                                                                                                              |           |           |           |           |
| 3                              | Intended use                                                                                                                                                                                                                                                                                      | In cavity walls                                                                                                  |           |           |           |           |
| 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                                                                                                    |           |           |           |           |
| 8                              | European Technical Assessment                                                                                                                                                                                                                                                                     | Not applicable                                                                                                   |           |           |           |           |
| 9                              | Declared performance                                                                                                                                                                                                                                                                              |                                                                                                                  |           |           |           |           |
| 9.1                            | Load bearing capacity (kN)                                                                                                                                                                                                                                                                        | Lintel Length (mm)                                                                                               |           |           |           |           |
|                                |                                                                                                                                                                                                                                                                                                   | 600-1500                                                                                                         | 1650-1800 | 1950-2700 | 2850-3600 | 3750-4800 |
|                                | Load ratio 1:1/5:1                                                                                                                                                                                                                                                                                | 65                                                                                                               | 55        | 60        | 55        | 40        |
| 9.2                            | Deflection under load                                                                                                                                                                                                                                                                             | ≤ Effective span/325 at safe working load                                                                        |           |           |           |           |
| 9.2                            | Water absorption                                                                                                                                                                                                                                                                                  | Zero                                                                                                             |           |           |           |           |
| 9.3                            | Direct airborne sound insulation (kg/m²)                                                                                                                                                                                                                                                          | 58.0                                                                                                             | 58.0      | 104.4     | 122.2     | 122.2     |
| 9.4                            | Thermal resistance                                                                                                                                                                                                                                                                                | Steel: 50 W/(m.K)<br>Polystyrene: 0.035 W/(m.K)                                                                  |           |           |           |           |
| 9.5                            | Resistance to fire                                                                                                                                                                                                                                                                                | NPD                                                                                                              |           |           |           |           |
| 9.6                            | Durability of performance (corrosion)                                                                                                                                                                                                                                                             | Material: Z600 galvanised steel                                                                                  |           |           |           |           |
| 9.7                            | Durability of performance (freeze/thaw)                                                                                                                                                                                                                                                           | Resistant                                                                                                        |           |           |           |           |
| 9.8                            | 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.<br><br>Signed for and on behalf of the manufacturer by: |                                                                                                                  |           |           |           |           |
|                                | <div></div>                                                                                                                                                                                                   |                                                                                                                  |           |           |           |           |
| Stoney Stanton, September 2026 |                                                                                                                                                                                                                                                                                                   | <div>Chris Fox<br/>Managing Director</div>                                                                       |           |           |           |           |



Stressline Limited, Foxbank Industrial Estate, Leicestershire, LE9 4LX

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BS 845-2

TSL110XHD steel cavity lintel,  
intended to be used in cavity walls

| Load bearing capacity                                 | Lintel Length (mm)                              |           |           |           |           |
|-------------------------------------------------------|-------------------------------------------------|-----------|-----------|-----------|-----------|
|                                                       | 600-1500                                        | 1650-1800 | 1950-2700 | 2850-3600 | 3750-4800 |
| Load ratio 1:1/3:1                                    | 65                                              | 55        | 60        | 55        | 40        |
| Deflection under load                                 | ≤ Effective span/325 at safe working load       |           |           |           |           |
| Water absorption                                      | Zero                                            |           |           |           |           |
| Direct airborne sound insulation (kg/m <sup>2</sup> ) | 58.0                                            | 58.0      | 104.4     | 122.2     | 122.2     |
| Thermal resistance                                    | Steel: 50 W/(m.K)<br>Polystyrene: 0.035 W/(m.K) |           |           |           |           |
| Resistance to fire                                    | NPD                                             |           |           |           |           |
| Durability of performance (corrosion)                 | Material: Z600 galvanised steel                 |           |           |           |           |
| Durability of performance (freeze/thaw)               | Resistant                                       |           |           |           |           |
| Dangerous substances                                  | Not applicable                                  |           |           |           |           |

See also Declaration of Performance DOP/TSL110XHD-260901