



DECLARATION OF PERFORMANCE
TG/CE-115LI-TOLP-B
CONSTRUCTION PRODUCT REGULATION 2011

We hereby certify that the glass as stipulated below complies with the relevant provisions of the E.C. construction product regulation & the requirement of:

Product Identification:

11.5mm Low Iron Toughened Laminated Glass

Type / Batch / Serial Number:

Each glass has its own identification label attached including bar code for traceability.

Intended use:

Glass in building — Laminated glass and laminated safety glass.

Manufacturer:

Toughglaze (UK) Ltd
Unit 1, Badger Rise, Ridgmont, Brogborough, MK43 0YL

System Assessment:

System 2+

Harmonised Standard No. :

EN 14449:2005

Declared Performance:

| Light: | | | Energy: | | |
|--|---------------|------|---------------------------------|--|-----------|
| Transmittance | LT | 90% | Direct Transmittance | ET | 79% |
| | UV % | 0% | Reflectance | ER | 7% |
| Reflectance Out | LR Out | 8% | Absorptance | EA | 13% |
| Reflectance In | LR in | 8% | Total transmittance | g | 82% |
| | | | Shading Coefficient Total | | 0.94 |
| | | | Shading Coefficient Shortwave | | 0.91 |
| Performance Code: | | | Sound Reduction | R _w (C;C _{tr}) dB | 32(-1;-3) |
| U _g – value/Light/Energy | 5.6 / 88 / 79 | | Thermal Transmittance | W/m ² K | 5.6 |
| Ra | 98 | | | | |
| Additional Values: | | | | | |
| Bullet Resistance | EN 1063 | NPD | Burglar Resistance | EN 356 | P4A |
| Explosion Resistance | ISO 16933 | NPD | Pendulum Body Impact Resistance | EN 12600 | 1(B)1 |
| Load Resistance (mm) | | 11.5 | Resistance to Temperature | | 40 |
| Reaction to Fire | EN 13501 | NPD | Differentials (K) | | |
| Resistance to Fire | EN 1364 | NPD | External Fire Performance | | NPD |
| <p>* The values of some of the characteristics are stated as NPD which is for “No Performance Determined”.</p> <p>* Calculations are made according to EN 410 and 673/12898.</p> <p>* All data and values are subject to tolerances and ToughGlaze (UK) Ltd Terms & Conditions.</p> <p>* Notified Body: BSI (No 0086).</p> <p>* BSI report (Ref 2370/7948560).</p> | | | | | |

Signed for and on behalf of manufacturer by:

Mr. Bhavik Varsani
(Managing director)



Location: London, UK

Date: Wednesday, 07 August 2019