



DECLARATION OF PERFORMANCE
TG/CE-1028CL-TOLS-S
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:

21.5mm Clear Toughened & SGP Laminated Glass

Type / Batch / Serial Number:

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

Intended use:

Glass in building — Clear Toughened 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	77%	Direct Transmittance	ET	48%
	UV %	0%	Reflectance	ER	11%
Reflectance Out	LR Out	11%	Absorptance	EA	41%
Reflectance In	LR in	12%	Total transmittance	g	55%
			Shading Coefficient Total		0.63
			Shading Coefficient Shortwave		0.55
Performance Code:			Sound Reduction	R _w (C;C _{tr}) dB	NPD
U _g – value/Light/Energy		1.2/77/55	Thermal Transmittance	W/m ² K	1.2
Ra		94			
Additional Values:					
Bullet Resistance	EN 1063	NPD	Burglar Resistance	EN 356	NPD
Explosion Resistance	ISO 16933	NPD	Pendulum Body Impact Resistance	EN 12600	NPD
Load Resistance (mm)		NPD	Resistance to Temperature		NPD
Reaction to Fire	EN 13501	NPD	Differentials (K)		NPD
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, EN 673, EN ISO 52022-3, EN 12898:2019.</p> <p>* All data and values are subject to tolerances and ToughGlaze (UK) Ltd Terms & Conditions.</p>					

Signed for and on behalf of manufacturer by:

Mr. Bhavik Varsani
(Managing director)



Location: London, UK

Date: Wednesday, 14 October 2020

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