



## DECLARATION OF PERFORMANCE



<b>Product Identification:</b>	TG 21.5 TL (21.5mm Toughened Laminated Glass(10.10.4))
<b>Intended use:</b>	This Product is designated for use in professional building and construction applications.
<b>Manufacturer:</b>	Toughglaze (UK) Ltd Unit 1, Badger Rise, Ridgmont, Brogborough, MK43 0YL
<b>AVCP System:</b>	3
<b>Applicable Standard:</b>	BS EN 14449:2005
<b>Approved/Notified Body Number:</b>	0086

Safety Classification	Essential Characteristics	Declared Performance
<b>Safety in the case of Fire</b>	Resistance to Fire (EN13501-2)	NPD
	Reaction to Fire (EN 13501-1)	NPD
	External Fire Performance (EN13501-5)	NPD
<b>Safety in Use</b>	Bullet Resistance (EN1063)	NPD
	Explosion Resistance (EN13541)	NPD
	Burglar Resistance (EN356)	NPD
	Pendulum Body Impact Resistance (EN12600)	1B1
	Resistance Against Sudden Temperature Changes and Temperature Differentials	200K
	Resistance against Wind, Snow, Permanent and Imposed/or imposed loads on the glass	120MPa
<b>Protection against noise</b>	Direct Airborne Sound Insulation $R_w$ (C; $C_{tr}$ )	36 (-1;-4)
<b>Thermal Properties</b>	Normal Emissivity $E_n$ coated side (EN12898)	NPD
	Thermal Transmittance (EN673) $U_g$ -value (W/m <sup>2</sup> K)	5.1
<b>Radiation Properties/Solar Characteristics</b>	Light Transmission (EN410)	88%
	Light Reflection (EN410)	8%
	Direct Solar transmission (EN410)	NPD
	Direct solar reflectance (EN410)	NPD
	Solar Factor (EN410) - g-value	79%

The performance of the product mentioned above meets the specified performance standards. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, which is applicable in the United Kingdom for Great Britain, and is solely the responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer by:

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

**Mr. Bhavik Varsani**  
(Managing Director)  
Wednesday, 22 April 2026