



DECLARATION OF PERFORMANCE



Product Identification:	PLK 5mm Optiwhite - GT401 1.52mm (Diffused) - PLK 5mm Optiwhite
Intended use:	This Product is designated for use in professional building and construction applications.
Manufacturer:	Toughglaze (UK) Ltd Unit 1, Badger Rise, Ridgmont, Brogborough, MK43 0YL
AVCP System:	3
Applicable Standard:	BSEN 14449:2005
Approved/Notified Body Number:	0086

Safety Classification	Essential Characteristics	Declared Performance
Safety in the case of Fire	Resistance to Fire (EN13501-2)	NPD
	Reaction to Fire (EN 13501-1)	NPD
	External Fire Performance (EN13501-5)	NPD
Safety in Use	Bullet Resistance (EN1063)	NPD
	Explosion Resistance (EN13541)	NPD
	Burglar Resistance (EN356)	NPD
	Pendulum Body Impact Resistance (EN12600)	NPD
	Resistance Against Sudden Temperature Changes and Temperature Differentials	NPD
	Resistance against Wind, Snow, Permanent and Imposed/or imposed loads on the glass	NPD
Protection against noise	Direct Airborne Sound Insulation R_w (C; C_{tr})	35 (-1;-3)
Thermal Properties	Normal Emissivity ϵ_n coated side (EN12898)	NPD
	U-Value (W/m ² K)	5.4
Radiation Properties	Light Transmission	66%
	Light Reflection	6%
	Solar Energy Characteristics	NPD
	Direct Solar transmission	61%
	Direct solar reflectance	6%
	Solar Factor (G-Value)	69%

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)

Tuesday, 02 December 2025