



## DECLARATION OF PERFORMANCE



<b>Product Identification:</b>	GRD 4mm Tough ExtraClear - GRD 0mm ClimaGuard A+ (UK) / 20mm Ar 90% / PLK 4mm Optifloat Clear Tough
<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>	BSEN 1279-5:2018
<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)	NPD
	Resistance Against Sudden Temperature Changes and Temperature Differentials	NPD
	Resistance against Wind, Snow, Permanent and Imposed/or imposed loads on the glass	NPD
<b>Protection against noise</b>	Direct Airborne Sound Insulation $R_w$ (C; $C_{tr}$ )	31 (-1;-4)
<b>Thermal Properties</b>	Normal Emissivity $\epsilon_n$ coated side (EN12898)	NPD
	U-Value (W/m <sup>2</sup> K)	1.2
<b>Radiation Properties</b>	Light Transmission	82%
	Light Reflection	13% / 13%
	Direct Solar transmission	63%
	Direct solar reflectance	20%
	Solar Factor (G-Value)	66%
<b>Durability</b>	System 3	Pass

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, 24 September 2025