



DECLARATION OF PERFORMANCE



Product Identification:	Fire Rated Glass -28mm (TG FR E160)
Intended use:	Glass for use in a glazed assembly intended specifically for fire resistance
Manufacturer:	Toughglaze (UK) Ltd Unit 1, Badger Rise, Ridgmont, Brogborough, MK43 0YL
AVCP System:	1
Applicable Standard:	EN 14449: 2005 EN 14449 + AC:2005
Approved/Notified Body Number:	1301

Safety Classification	Essential Characteristics	Declared Performance
Safety in the case of Fire	Resistance to Fire (EN13501-2)	E160
	Reaction to Fire (EN 13501-1)	B-s1, d0
	External Fire Performance (EN13501-5)	NPD
Safety in Use	Bullet Resistance (EN1063)	NPD
	Explosion Resistance (EN13541)	NPD
	Burglar Resistance (EN356)	P2A
	Pendulum Body Impact Resistance (EN12600)	1B1
	Resistance Against Sudden Temperature Changes and Temperature Differentials	NPD
	Resistance against Wind, Snow, Permanent and Imposed/or imposed loads on the glass	120 N/mm ²
Protection against noise	Direct Airborne Sound Insulation R_w (C; C_{tr}) (EN12758)	40 (-1;-3)
Thermal Properties	Normal Emissivity ϵ_n coated side (EN12898)	NPD
	U-Value (W/m ² K) (EN 673)	4.0
Radiation Properties	Light Transmission	NPD
	Light Reflection	NPD
	Solar Energy Characteristics (EN410)	NPD
	Direct Solar transmission (EN410)	NPD
	Direct solar reflectance	NPD
	Solar Factor (G-Value)	NPD

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)

Monday, 16 March 2026