



## TOUGHENED SAFETY GLASS PERFORMANCE CHARACTERISTICS

BS EN 1863 HEAT STRENGTHENED SODA LIME SILICATE SAFETY GLASS

INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS



TUFFX PROCESSED GLASS LTD

NEXUS HOUSE, RANDALS ROAD, KNOWSLEY BUSINESS PARK, KNOWSLEY, MERSEYSIDE. L34 9HX

Characteristics	4mm	6mm	8mm	10mm	12mm	15mm	19mm
Resistance to Fire				NPD			
Reaction to Fire				A1			
External Fire Performance				NPD			
Bullet Resistance				NPD			
Explosion Resistance				NPD			
Burglar Resistance				NPD			
Pendulum Body Impact Resist	1(c)3	1(c)2	1(c)1	1(c)1	1(c)1	1(c)1	1(c)1
Resistance Against Sudden Temperature Changes	200k	200k	200k	200k	200k	200k	200k
Wind, snow permanent and imposed load resistance	4mm	6mm	8mm	10mm	12mm	15mm	19mm
Direct airborne sound insulation	29 (-2; -3) dB	31 (-2; -3) dB	32 (-2; -3) dB	34 (2; -3) dB	34 (0; -2) dB	34 (0; -2) dB	34 (0; -2) dB
Thermal Properties	5.6W/(m <sup>2</sup> K)	5.7W/(m <sup>2</sup> K)	5.7W/(m <sup>2</sup> K)	5.6W/(m <sup>2</sup> K)	5.6W/(m <sup>2</sup> K)	5.3W/(m <sup>2</sup> K)	5.3W/(m <sup>2</sup> K)
Radiation Properties, Light Transmittance & Reflection	0.90/0.08/0.08	0.88/0.08/0.08	0.88/0.08/0.08	0.87/0.08/0.08	0.87/0.08/0.08	0.83/0.08/0.08	0.81/0.08/0.08
Radiation Properties, Solar Energy Characteristics	0.85/0.08/0.08	0.79/0.07/0.07	0.76/0.07/0.07	0.72/0.07/0.07	0.68/0.07/0.08	0.63/0.06/0.06	0.63/0.06/0.06

Signed:

Position: OPERATIONS DIRECTOR

Date: 23.06.2022



# DECLARATION OF CONFORMITY

**BS EN 1863: GLASS IN BUILDING HEAT STRENGTHENED SODA LIME SILICATE SAFETY GLASS**

THIS DECLARATION CONFIRMS THE COMPANY BELOW HAVE CONFORMED WITH EN 1863-2 ANNEX ZA



**TUFFX PROCESSED GLASS LTD**

**NEXUS HOUSE, RANDALS ROAD, KNOWSLEY BUSINESS PARK, KNOWSLEY, MERSEYSIDE. L34 9HX**

(a) SUBMITTING GLASS FOR INITIAL TYPE TESTING TO EN 12150, EN12600 & EN1288 AND SUCCESSFULLY MEETING ALL REQUIREMENTS.

**Initial Type Testing Information: BS EN 1288: 4 Point Bend (EN 1863-1)**

Notified Test Body	Test Report Number	Product Tested
BSI PRODUCT SERVICES / TUV RHEINLAND B.V	26217200829-10036R-10-29502	CLEAR, OBSCURED SOFT & HARD COAT GLASS

**Initial Type Testing Information: BS EN 12150 Fragmentation (1863-1)**

Notified Test Body	Test Report Number	Product Tested
BSI PRODUCT SERVICES / TUV RHEINLAND B.V	26217200829-10036R-10-29502	CLEAR, OBSCURED SOFT & HARD COAT GLASS

**Initial Type Testing Information: BS EN 12600: Pendulum Impact Test**

Notified Test Body	Test Report Number	Product Tested
BSI PRODUCT SERVICES / TUV RHEINLAND B.V	26217200829-10036R-10-29502	CLEAR, OBSCURED SOFT & HARD COAT GLASS

(b) INSTIGATING AND IMPLEMENTING A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS EN 1863-2:2004

(d) PRODUCING A TECHNICAL FILE CONTAINING THE TEST REPORT AND PERFORMANCE INDICATION PAPERS FOR ALL COMPONENTS

Signed:

Position: OPERATIONS DIRECTOR

Date: 23.06.2022