



DECLARATION OF CONFORMITY

BS EN 14449: GLASS IN BUILDING LAMINATED GLASS & LAMINATED SAFETY GLASS

THIS DECLARATION CONFIRMS THE COMPANY BELOW HAVE CONFORMED WITH EN 14449-2 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 12543-2 AND SUCCESSFULLY MEETING ALL REQUIREMENTS.

Initial Type Testing Information: EN 12543-2

Notified Test Body	Test Report Number	Product Tested
TÜVRheinland Nederland B.V	89205257-01	11.5mm Laminated

(b) INSTIGATING AND IMPLEMENTING A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS EN 14449-2:2004

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

Signed:

Position: OPERATIONS MANAGER

Date:

27/6/22



TOUGHENED SAFETY GLASS PERFORMANCE CHARACTERISTICS

BS EN 14449 LAMINATED GLASS & LAMINATED 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	11.5mm	13.5mm	17.5mm	21.5mm	25.5mm	31.5mm	33mm
Resistance to Fire	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to Fire	NPD	NPD	NPD	NPD	NPD	NPD	NPD
External Fire Performance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Bullet Resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Explosion Resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Burglar Resistance	P4A	P4A	P4A	P4A	P4A	P4A	P4A
Pendulum Body Impact Resist	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1	1(B)1
Resistance Against Sudden Temperature Changes	200K	200K	200K	200K	200K	200K	200K
Wind, snow permanent and imposed load resistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Direct airborne sound insulation	Rw(C,Ctr)=36(-1;-2)dB	Rw(C,Ctr)=37(-1;-3)dB	Rw(C,Ctr)=38(0;-2)dB	Rw(C,Ctr)=40(-1;-3)dB	Rw(C,Ctr)=42(-1;-4)dB	Rw(C,Ctr)=44(-1;-4)dB	NPD
Thermal Properties	Ug 5.278 W/m2.K	Ug 5.278 W/m2.K	Ug 5.169 W/m2.K	Ug 5.064 W/m2.K	Ug 4.963 W/m2.K	Ug 4.820 W/m2.K	Ug 4.776 W/m2.K
Luminous factors	TL 88.6% / Rle 8%	TL 88.1% / Rle 8%	TL 87% / Rle 7.9%	TL 85.9% / Rle 7.8%	TL 84.8% / Rle 7.7%	TL 83.2% / Rle 7.6%	TL 83.2% / Rle 7.6%
Solar Energy Characteristics (Te/Ree/AE1)	73.1%/77%/19.9%	71.5%/6.9%/21.6%	68.5%/6.7%/24.8%	65.7%/6.5%/27.8%	63.1%/6.4%/30.6%	59.4%/6.2%/34.4%	58.9%/6.2%/34.9%

Signed:

Position: OPERATIONS DIRECTOR

Date: 27/6/22