



# DECLARATION OF CONFORMITY

**GLASS IN BUILDING :BS EN 12150-2 :2004 : THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS**

THIS DECLARATION CONFIRMS THE COMPANY BELOW HAVE CONFORMED WITH EN EN 12150-2 ANNEX ZA



**ECO GLASS LTD**

**WESTON HOUSE ,WESTON ROAD , NORWICH, NR3 3WG**

HAVE CONFORMED WITH EN BS EN 12150-2 :2004 BY SUBMITTING GLASS' FOR INITIAL TYPE TESTING TO EN 12150-1, EN1288-3 AND EN 12600

TESTING TO:	NOTIFIED TEST HOUSE	PRODUCTS	TEST REPORT No's
EN 12150-1	WINTech ENGINEERING LTD	CLEAR, OBSCURE AND SOFT COAT GLASS'	R12788(1-2-3-4-5-6)
EN 1288-3	WINTech ENGINEERING LTD	CLEAR AND SOFT GLASS'	R12789 & R12789-1
EN 12600	WINTech ENGINEERING LTD	CLEAR, OBSCURE AND SOFT COAT GLASS'	R12787 (1-2-3)

INSTIGATED AND IMPLEMENTED A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS12150-2:2004

PRODUCED A TECHNICAL FILE CONTAINING THE TEST REPORT AND PERFORMANCE INDICATION PAPERS FOR ALL COMPONENTS

Signed:

Position: Director

Date: 7th of June 2021



WESTON HOUSE  
WESTON ROAD  
NORWICH  
NORFOLK  
NR3 3WG  
2021



**EN 12150-2**

**THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS**

**CLEAR GLASS' 4mm to 19mm**

Characteristics	CLEAR GLASS' 4mm to 19mm						
	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 resistance	1C1	1C1	1C1	1C1	1C1	1C1	1C1
Resistance against sudden temperature changes and temperature differentials	200k	200k	200k	200k	200k	200k	200k
Wind, snow permanent and imposed load resistance	4mm	R12788(1-2-3-4-5-6)	8mm	10mm	12mm	15mm	19mm
Direct airborne sound insulation	29 (-2; -3) dB	R12789 & R12789-1	32(-2; -3) dB	33(-2; -3) dB	34 (0; -2) dB	34(0; -2) dB	34(0; -2) dB
Thermal properties	CLEAR, OBSCURE AND SOFT COAT GLASS' 5.8W/(m <sup>2</sup> K)	R12787 (1-2-3)	5.7W/(m <sup>2</sup> K)	5.6W/(m <sup>2</sup> K)	5.5W/(m <sup>2</sup> K)	5.8W/(m <sup>2</sup> K)	5.3W/(m <sup>2</sup> K)
<b>Radiation properties:</b>							
light transmission and 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	0.85/0.08/0.08	0.83/0.08/0.08	0.81/0.07/0.07
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	0.57/0.06/0.06

Signed:

Date: 7th of June 2021

Position: Director

# UK CA

**ecoglass**  
The Clear choice of glass supplier

## EN 12150-2

THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS

### 4mm and 6mm Soft Coat

Characteristics	4mm	6mm
	Resistance to fire	npd
Reaction to fire	A1	
External fire performance	npd	
Bullet resistance	npd	
Explosion resistance	npd	
Burglar resistance	npd	
Pendulum body impact resistance	1C1	1C1
Resistance against sudden temperature changes and temperature differentials	200k	200k
Wind, snow permanent and imposed load resistance	CLEAR, OBSCURE AND SOFT COAT GLASS' 4mm	R12788(1-2-3-4-5-6)
Direct airborne sound insulation	CLEAR AND SOFT GLASS' 29 (-2; -3) dB	R12789 & R12789-1
Thermal properties	CLEAR, OBSCURE AND SOFT COAT GLASS' 3.3W/(m <sup>2</sup> K)	R12787 (1-2-3)
<u>Radiation properties:</u>		
light transmission and reflection	0.88/0.06/0.05	0.86/0.06/0.04
solar energy characteristics	0.69/0.15/0.17	0.65/0.13/0.16

Signed:



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Position: Director



**EN 12150-2**

**THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
INTENDED TO BE USED IN BUILDING AND CONSTRUCTION WORKS**

**4mm and 6mm Hard Coat (K)**

<u>Characteristics</u>		4mm	6mm
Resistance to fire		npd	
Reaction to fire		A1	
External fire performance		npd	
Bullet resistance		npd	
Explosion resistance		npd	
Burglar resistance		npd	
Pendulum body impact resistance		1⊙1	1⊙1
Resistance against sudden temperature changes and temperature differentials		200k	200k
Wind, snow permanent and imposed load resistance	CLEAR, OBSCURE AND HARD COAT GLASS'	4mm	R12788(1-2-3-4-5-6)
Direct airborne sound insulation	CLEAR AND HARD COAT GLASS'	29 (-2; -3) dB	R12789 & R12789-1
Thermal properties	CLEAR, OBSCURE AND SOFT COAT GLASS'	3.7W/(m <sup>2</sup> K)	R12787 (1-2-3)
<u>Radiation properties:</u>			
light transmission and reflection		0.82/0.11/0.12	0.81/0.11/0.11
solar energy characteristics		0.71/0.10/0.11	0.68/0.09/0.11

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**EN 12150-2**

**THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS  
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**4mm and 6mm Obscure (ARCTIC)**

<u>Characteristics</u>		4mm	6mm
Resistance to fire		npd	
Reaction to fire		A1	
External fire performance		npd	
Bullet resistance		npd	
Explosion resistance		npd	
Burglar resistance		npd	
Pendulum body impact resistance		1C2	1C2
Resistance against sudden temperature changes and temperature differentials		200k	200k
Wind, snow permanent and imposed load resistance	CLEAR, OBSCURE AND SOFT COAT GLASS'	4mm	R12788(1-2-3-4-5-6)
Direct airborne sound insulation	CLEAR AND SOFT GLASS'	29 (-2; -3) dB	R12789 & R12789-1
Thermal properties	CLEAR, OBSCURE AND SOFT COAT GLASS'	5.8W/(m <sup>2</sup> K)	R12787 (1-2-3)
<u>Radiation properties:</u>			
light transmission and reflection		0.82/0.8/0.8	0.86/0.08/0.08
solar energy characteristics		0.78/0.07/0.07	0.73/0.07/0.07

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