



EN 12150-2:2004

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

DECLARATION OF PERFORMANCE

THIS IS TO CERTIFY THAT

GLASS SERVICES LTD

of

WOTTON ROAD

KINDSNORTH INDUSTRIAL ESTATE

ASHFORD

KENT

TN23 6LN

HAVE CONFORMED WITH EN 12150-2 ANNEX ZA

by

SUBMITTING GLASS FOR INITIAL TYPE TESTING TO EN 12150-1, EN 1288-3 AND EN 12600

INSTIGATING AND IMPLEMENTING A SYSTEM OF FACTORY PRODUCTION CONTROL COMPLYING WITH BS EN 12150-2:2004

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

Signed:.....

Position:.....

Date:.....

S. Williams
Director

3-5-13



GLASS SERVICES LTD WOTTON ROAD KINGSNORTH INDUSTRIAL ESTATE ASHFORD KENT TN23 6LN							
13							
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							
	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						
Burgular resistance	npd						
Pendulum body impact resistance	1(c)2	1(c)1	1(c)1	1(c)1	1(c)1	1(c)1	1(c)1
Resistance against sudden temperature changes and temperature differentials	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	33 (-2; -3) dB	34 (0; -2) dB	34 (0; -2) dB	34 (0; -2) dB
Thermal properties	5.8W/(m ² K)	5.7W/(m ² K)	5.7W/(m ² K)	5.6W/(m ² K)	5.5W/(m ² K)	5.8W/(m ² K)	5.3W/(m ² K)
Radiation properties:							
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: *B.W. Williams*
 Position: *Director*

Date: *3-5-13*



GLASS SERVICES LTD

WOTTON ROAD

KINGSNORTH INDUSTRIAL ESTATE

ASHFORD

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EN 12150-2

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

4mm and 6mm Soft Coat (KS)

Characteristics

	4mm	6mm
Resistance to fire	npd	
Reaction to fire	A1	
External fire performance	npd	
Bullet resistance	npd	
Explosion resistance	npd	
Burgular resistance	npd	
Pendulum body impact resistance	1(c)2	1(c)1
Resistance against sudden temperature changes and temperature differentials	200k	200k
Wind, snow permanent and imposed load resistance	4mm	6mm
Direct airborne sound insulation	29 (-2; -3) dB	32 (-2; -3) dB
Thermal properties	3.3W/(m ² K)	3.2W/(m ² K)
<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:

B. Williams
Director

Date:

3-5-13



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KINGSNORTH INDUSTRIAL ESTATE

ASHFORD

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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)

Characteristics

	4mm	6mm
Resistance to fire	npd	
Reaction to fire	A1	
External fire performance	npd	
Bullet resistance	npd	
Explosion resistance	npd	
Burgular resistance	npd	
Pendulum body impact resistance	1(c)3	1(c)1
Resistance against sudden temperature changes and temperature differentials	200k	200k
Wind, snow permanent and imposed load resistance	4mm	6mm
Direct airborne sound insulation	29 (-2; -3) dB	31 (-2; -3) dB
Thermal properties	3.7W/(m ² K)	3.7W/(m ² K)
<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

Signed:

S. Williams
Director

Date:

3-5-13



GLASS SERVICES LTD
WOTTON ROAD
KINGSNORTH INDUSTRIAL ESTATE
ASHFORD
KENT
TN23 6LN
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EN 12150-2

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

4mm and 6mm Obscure (Flemish)

Characteristics

	4mm	6mm
Resistance to fire	npd	
Reaction to fire	A1	
External fire performance	npd	
Bullet resistance	npd	
Explosion resistance	npd	
Burgular resistance	npd	
Pendulum body impact resistance	1(c)3	1(c)2
Resistance against sudden temperature changes and temperature differentials	200k	200k
Wind, snow permanent and imposed load resistance	4mm	6mm
Direct airborne sound insulation	29 (-2; -3) dB	31 (-2; -3) dB
Thermal properties	5.8W/(m ² K)	5.7W/(m ² K)
<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

Signed:

B. Williams
Director

Date:

3-5-13