

Kitemark™ Certificate

This is to certify that:

Glas-Seal (N.I.) Limited
80 Belfast Road
Ballynahinch
County Down
BT24 8EB
United Kingdom

Holds Certificate Number:

KM 10938

In respect of:

Safety glass
Safety glass for use in buildings - BS EN 12150 - 1, BS EN 14179 - 1 and BS EN 14449

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Product Certification Director

First Issued: 01/11/1990

Latest Issue: 10/12/2015



Kitemark™ Certificate

No. KM 10938

BS EN 12150-1:2000 - Thermally toughened soda lime silicate safety glass

Clear, tinted and low iron toughened glass meeting Impact Class 1 (BS EN 12600)

Thickness (mm)	Tolerance (mm)
4.0	±0.2
5.0	±0.2
6.0	±0.2
8.0	±0.2
10.0	±0.3
12.0	±0.3
15.0	±0.5
19.0	±1.0

Coated toughened glass meeting Impact Class 1 (BS EN 12600)

Coating	Thickness (mm)	Tolerance (mm)
Pilkington K	4.0	±0.2
Pilkington K	6.0	±0.2
Eclipse	4.0	±0.2
Eclipse	6.0	±0.2
Activ	4.0	±0.2
Activ	6.0	±0.2

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Coated toughened glass meeting Impact Class 1 (BS EN 12600) (continued)

Coating	Thickness (mm)	Tolerance (mm)
Activ Neutral	4.0	±0.2
Activ Neutral	6.0	±0.2
Bioclean	4.0	±0.2
Bioclean	6.0	±0.2
Cool-Lite	4.0	±0.2
Cool-Lite	6.0	±0.2
Planitherm Range	4.0	±0.2
Planitherm Range	6.0	±0.2
Climaguard Range	4.0	±0.2
Climaguard Range	6.0	±0.2
SunGuard Range	4.0	±0.2
SunGuard Range	6.0	±0.2

Patterned toughened glass meeting Impact Class 1 (BS EN 12600) in 4 and 6 mm thickness

Autumn	Arctic	Chantilly	Contour	Cotswold
Digital	Everglade	Flemish	Florielle	Linkon
Mayflower	Minster	Oak	Pelerine	Stippolyte
Sycamore	Taffeta	Warwick	Chinchilla	Orchid
Arena	Delta			

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BS EN 14179-1: 2005 - Heat soaked thermally toughened soda lime silicate safety glass.

Clear, tinted and low iron heat soaked toughened glass meeting Impact Class 1 (BS EN 12600)

Thickness (mm)	Tolerance (mm)
6.0	±0.2
8.0	±0.2
10.0	±0.3
12.0	±0.3
15.0	±0.5
19.0	±1.0

Coated toughened glass meeting Impact Class 1 (BS EN 12600)

Coating	Thickness (mm)	Tolerance (mm)
Climaguard Range	6.0	±0.2
Climaguard Range	8.0	±0.2
Climaguard Range	10.0	±0.3
SunGuard Range	6.0	±0.2
SunGuard Range	8.0	±0.2
SunGuard Range	10.0	±0.3

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BS EN 14449-1: 2005 - Laminated Glass and laminated Safety glass.

Clear laminated safety glass using clear PVB interlayer meeting Impact Class 2 (BS EN 12600) in the following combinations:

Glass Thickness (mm)	3			4			5			6			8			10			12			15			19			Interlayer Thickness (mm)			
	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50				
3	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
4	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
5	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
6	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
8	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
10	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
12	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
15	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	
19	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	0.38	0.76	1.50	

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