



This is to certify that: Crystal Units Ltd

100 West Hendon Broadway

Hendon London NW9 7AA United Kingdom

Holds Certificate Number: KM 530625

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: 26/03/2008 Latest Issue: 02/11/2016



Page: 1 of 9

...making excellence a habit."

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated online.

No. KM 530625

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

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

Clear/Low iron/Tinted toughened glass meeting Impact Class 1 (BS EN 12600)

Thickness (mm)	Tolerance (mm)	
4.0	±0.2	
6.0	±0.2	
8.0	±0.3	
10.0	±0.3	
12.0	±0.3	

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
Activ	4.0	±0.2
Activ	6.0	±0.2
Activ Blue	4.0	±0.2
Activ Blue	6.0	±0.2
Planitherm Total	4.0	±0.2
Planibel A	4.0	±0.2
SunGuard HP 61	6.0	±0.2

Page: 2 of 9

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(continued)

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

Coating	Thickness (mm)	Tolerance (mm)	
Climaguard A	4.0	±0.2	
Climaguard A	6.0	±0.2	
Climaguard A	8.0	±0.3	
Climaguard A	10.0	±0.3	
SunGuard SN 70/41	4.0	±0.2	
SunGuard SN 70/41	6.0	±0.2	
SunGuard SN 70/41	8.0	±0.3	
SunGuard SN 70/41	10.0	±0.3	
SunGuard SN 51/28	4.0	±0.2	
SunGuard SN 51/28	6.0	±0.2	
SunGuard SN 51/28	8.0	±0.3	
SunGuard SN 51/28	10.0	±0.3	
SunGuard SN 62/34	4.0	±0.2	
SunGuard SN 62/34	6.0	±0.2	
SunGuard SN 62/34	8.0	±0.3	
SunGuard SN 62/34	10.0	±0.3	

Page: 3 of 9

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(continued)

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

Coating	Thickness (mm)	Tolerance (mm)	
SunGuard SN 40/23	4.0	±0.2	
SunGuard SN 40/23	6.0	±0.2	
SunGuard High Performance 50/32	4.0	±0.2	
SunGuard SN 70/35	4.0	±0.2	
SunGuard SN 70/35	6.0	±0.2	
SunGuard SN 70/35	8.0	±0.3	
SunGuard SN 70/35	10.0	±0.3	
SunGuard SNX 60/28	4.0	±0.2	
SunGuard SNX 60/28	6.0	±0.2	
SunGuard SNX 60/28	8.0	±0.3	
SunGuard SNX 60/28	10.0	±0.3	
SunGuard SNX 50/23	4.0	±0.2	
SunGuard SNX 50/23	6.0	±0.2	
SunGuard SNX 50/23	8.0	±0.3	
SunGuard SNX 50/23	10.0	±0.3	
AGC Stopray Vision 50T	4.0	±0.2	
AGC Stopray Vision 60T	4.0	±0.2	
Eclipse Advantage	6.0	±0.2	
Cool-Lite SKN 154	6.0	±0.2	

Page: 4 of 9

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

(continued)

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

Thickness	Coating	Colour	
4.0	Enamel	Various	
6.0	Enamel	Various	
8.0	Enamel	Various	
10.0	Enamel	Various	
12.0	Enamel	Various	
15.0	Enamel	Various	
19.0	Enamel	Various	

Modified (sandblasted) toughened glass meeting Impact Class 1 (BS EN 12600)

Thickness (mm)	Tolerance (mm)
4.0	±0.2
6.0	±0.2
8.0	±0.3
10.0	±0.3
12.0	±0.3

First Issued: 26/03/2008 Latest Issue: 02/11/2016

Page: 5 of 9

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

(continued)

Modified (Satin) toughened glass meeting Impact Class 1 (BS EN 12600)

Thickness (mm)	Tolerance (mm)	
4.0	±0.2	
6.0	±0.2	
8.0	±0.3	
10.0	±0.3	
12.0	±0.3	

Patterned toughened glass meeting Impact Class A (BS 6206) and Class 1 (BS EN 12600) in 4 and 6mm thickness

Arctic	Autumn	Chantilly	Charcoal Sticks	Contora
Cotswold	Digital	Everglade	Flemish	Florielle
Mayflower	Minster	Oak	Pelerine	Reeded
Stippolyte	Sycamore	Taffeta	Warwick	

Page: 6 of 9

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

Clear/Low iron/Tinted toughened heat soaked glass meeting Impact Class 1 (BS EN 12600)

Thickness (mm)	Tolerance (mm)
6.0	±0.2
8.0	±0.3
10.0	±0.3
12.0	±0.3

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

Coating	Thickness (mm)	Tolerance (mm
SunGuard HP 61	6.0	±0.2
Climaguard A	6.0	±0.2
Climaguard A	8.0	±0.3
Climaguard A	10.0	±0.3
SunGuard SN 70/41	6.0	±0.2
SunGuard SN 70/41	8.0	±0.3
SunGuard SN 70/41	10.0	±0.3
SunGuard SN 51/28	6.0	±0.2
SunGuard SN 51/28	8.0	±0.3
SunGuard SN 51/28	10.0	±0.3
SunGuard SN 62/34	6.0	±0.2
SunGuard SN 62/34	8.0	±0.3
SunGuard SN 62/34	10.0	±0.3

Page: 7 of 9

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

(continued)

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

Coating	Thickness (mm)	Tolerance (mm)	
SunGuard HP 61	6.0	±0.2	
Climaguard A	6.0	±0.2	
Climaguard A	8.0	±0.3	
Climaguard A	10.0	±0.3	
SunGuard SN 70/41	6.0	±0.2	
SunGuard SN 70/41	8.0	±0.3	
SunGuard SN 70/41	10.0	±0.3	
SunGuard SN 51/28	6.0	±0.2	
SunGuard SN 51/28	8.0	±0.3	
SunGuard SN 51/28	10.0	±0.3	
SunGuard SN 62/34	6.0	±0.2	
SunGuard SN 62/34	8.0	±0.3	
SunGuard SN 62/34	10.0	±0.3	
SunGuard SN 70/35	6.0	±0.2	
SunGuard SN 70/35	8.0	±0.3	
SunGuard SN 70/35	10.0	±0.3	

Page: 8 of 9

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

(continued)

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

Coating	Thickness (mm)	Tolerance (mm)	
SunGuard SNX 60/28	6.0	±0.2	
SunGuard SNX 60/28	8.0	±0.3	
SunGuard SNX 60/28	10.0	±0.3	
SunGuard SNX 50/23	6.0	±0.2	
SunGuard SNX 50/23	8.0	±0.3	
SunGuard SNX 50/23	10.0	±0.3	

BS EN 14449:2005 - Laminated glass and laminated safety glass.

Clear laminated float safety glass meeting Impact Class 2 (BS EN 12600) using PVB Interlayer with the following thickness combinations:

	1															
Glass Thickness (mm)	4			6			8			10			12			
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	Interlayer Thickness (mm)
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	
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	
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	
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	

Page: 9 of 9

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