



CYCLONE RESISTANT GLASS SPECIFICATIONS



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StormShield® 15m/s Impact Resistance (AS/NZS1170.2.2002 Cyclone Impact Resistance)														
Product Type	Tint	Product Code	Region	Visible Light Trans. %	Visible Light Reflect [out]. %	Visible Light Reflect [in]. %	Solar Trans. %	Solar Reflect. %	SHGC	SC	U Value (W/m2K) Summer	U Value (W/m2K) Winter	R Value	STC (dB)
				LIGHT			SOLAR				THERMAL			
8mm StormShield®	Clear	SSCL08	-	88	8	8	72	7	0.78	0.90	5.01	5.52	0.18	34
10mm StormShield®	Clear	SSCL10	-	87	8	8	71	7	0.77	0.89	4.98	5.48	0.18	35
12mm StormShield®	Clear	SSCL12	-	87	8	8	68	7	0.76	0.87	4.93	5.42	0.18	36
14mm StormShield®	Clear	SSCL14	-	86	8	8	66	7	0.74	0.85	4.89	5.36	0.19	37
16mm StormShield®	Clear	SSCL16	-	84	8	8	61	6	0.71	0.82	4.80	5.25	0.19	39
8mm StormShield®	Grey	SSGR08	-	42	5	5	46	5	0.61	0.71	5.01	5.52	0.18	34
10mm StormShield®	Grey	SSGR10	-	41	5	5	45	5	0.61	0.70	4.98	5.48	0.18	35
12mm StormShield®	Grey	SSGR12	-	41	5	5	43	5	0.59	0.69	4.93	5.42	0.18	36
14mm StormShield®	Grey	SSGR14	-	41	5	5	41	5	0.58	0.67	4.89	5.36	0.19	37
8mm StormShield®	Arctic Obscure	SSOB08	-	67	6	6	55	6	0.67	0.77	5.00	5.52	0.18	34
10mm StormShield®	Arctic Obscure	SSOB10	-	67	6	6	53	6	0.66	0.76	4.95	5.46	0.18	35
12mm StormShield®	Arctic Obscure	SSOB12	-	66	6	6	51	5	0.65	0.75	4.90	5.40	0.19	36
14mm StormShield®	Arctic Obscure	SSOB14	-	65	6	6	49	5	0.64	0.73	4.85	5.34	0.19	37

Custom options available on all products for tints or additional features or specifications.

StormShield® Ultra "Region C & D" - 39m/s Impact Resistance (AS/NZS1170.2.2011 Cyclone Impact Resistance)														
Product Type	Tint	Product Code	Region	Visible Light Trans. %	Visible Light Reflect [out]. %	Visible Light Reflect [in]. %	Solar Trans. %	Solar Reflect. %	SHGC	SC	U Value (W/m2K) Summer	U Value (W/m2K) Winter	R Value	STC (dB)
				LIGHT			SOLAR				THERMAL			
12.4mm StormShield® Ultra	Clear	SSCL124D	Region C & D	86	8	8	67	7	0.74	0.86	4.68	5.13	0.19	35
14.4mm StormShield® Ultra	Clear	SSCL144D	Region C & D	85	8	8	64	7	0.73	0.84	4.64	5.08	0.20	36
16.4mm StormShield® Ultra	Clear	SSCL164D	Region C & D	84	8	8	62	6	0.71	0.82	4.60	5.02	0.20	37
18.4mm StormShield® Ultra	Clear	SSCL184D	Region C & D	84	8	8	60	6	0.70	0.81	4.56	4.98	0.20	38
12.4mm StormShield® Ultra	Grey	SSGR124D	Region C & D	41	5	5	42	5	0.60	0.69	4.68	5.13	0.19	35
14.4mm StormShield® Ultra	Grey	SSGR144D	Region C & D	40	5	5	40	5	0.59	0.68	4.64	5.08	0.20	36
16.4mm StormShield® Ultra	Grey	SSGR124D	Region C & D	40	5	5	38	5	0.58	0.67	4.60	5.02	0.20	37
18.4mm StormShield® Ultra	Grey	SSGR124D	Region C & D	40	5	5	37	5	0.57	0.65	4.56	4.98	0.20	38
12.4mm StormShield® Ultra	Arctic Obscure	SSOB124D	Region C & D	66	6	6	50	5	0.65	0.75	4.64	5.10	0.20	35
14.4mm StormShield® Ultra	Arctic Obscure	SSOB144D	Region C & D	65	6	6	48	5	0.64	0.73	4.60	5.05	0.20	36
16.4mm StormShield® Ultra	Arctic Obscure	SSOB164D	Region C & D	65	6	6	46	5	0.63	0.72	4.56	5.00	0.20	37
18.4mm StormShield® Ultra	Arctic Obscure	SSOB184D	Region C & D	64	6	6	44	5	0.61	0.71	4.51	4.95	0.20	38

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NB: Conditions and calculation of the above optical and solar performance data are based on ASHRAE Standard. Performance data is based on representative value from software tabulation and information available at the time of preparation of this document which is subject to changes without notice. Actual value may vary slightly due to variations in the production process. Other glass manufacturers and coaters may use different instruments and measurement techniques. Therefore, reported performance values may vary on identical products by others. STC Ratings are estimated from test results of similar like product build ups.

StormShield [®] Extreme "Region C & D" - 44m/s Impact Resistance (AS/NZS1170.2.2011 Cyclone Impact Resistance)															
Product Type	Tint	Product Code	Region	Visible Light Trans. %	Visible Light Reflect (out) %	Visible Light Reflect (in) %	Solar Trans. %	Solar Reflect. %	SHGC	SC	U Value (W/m ² K) Summer	U Value (W/m ² K) Winter	R Value	STC (dB)	
				LIGHT			SOLAR		THERMAL				NOISE		
14.1mm StormShield [®] Extreme	Clear	SSCL141D	Region C & D	85	8	8	65	7	0.73	0.85	4.53	4.95	0.20	35	
16.1mm StormShield [®] Extreme	Clear	SSCL161D	Region C & D	84	8	8	63	7	0.72	0.83	4.49	4.90	0.20	36	
18.1mm StormShield [®] Extreme	Clear	SSCL181D	Region C & D	83	8	8	60	6	0.70	0.81	4.45	4.85	0.21	37	
20.1mm StormShield [®] Extreme	Clear	SSCL201D	Region C & D	83	8	8	58	6	0.69	0.80	4.41	4.81	0.21	38	
14.1mm StormShield [®] Extreme	Grey	SSGR141D	Region C & D	40	5	5	40	5	0.59	0.69	4.53	5.13	0.20	35	
16.1mm StormShield [®] Extreme	Grey	SSGR161D	Region C & D	40	5	5	39	5	0.58	0.67	4.49	4.90	0.20	36	
18.1mm StormShield [®] Extreme	Grey	SSGR181D	Region C & D	39	5	5	37	5	0.57	0.66	4.45	4.85	0.21	37	
20.1mm StormShield [®] Extreme	Grey	SSGR201D	Region C & D	39	5	5	36	5	0.56	0.65	4.41	4.81	0.21	38	
14.1mm StormShield [®] Extreme	Arctic Obscure	SSOB141D	Region C & D	66	6	6	49	5	0.65	0.74	4.48	4.92	0.20	35	
16.1mm StormShield [®] Extreme	Arctic Obscure	SSOB161D	Region C & D	65	6	6	47	5	0.63	0.73	4.44	4.87	0.20	36	
18.1mm StormShield [®] Extreme	Arctic Obscure	SSOB181D	Region C & D	64	6	6	45	5	0.62	0.72	4.40	4.82	0.21	37	
20.1mm StormShield [®] Extreme	Arctic Obscure	SSOB201D	Region C & D	64	6	6	43	5	0.61	0.70	4.36	4.78	0.21	38	

Custom options available on all products for tints or additional features or specifications.

When requesting pricing or technical information please ensure the following details are available:

- Confirm Cyclonic region of your project (C or D)
- Confirm Building Importance Level (1,2,3,4)
- ULS (Ultimate Limit State) and or SLS (Serviceability Limit State) Wind Pressures
- Provide size details of glass or windows
- Reference these tables to confirm specifications for the correct StormShield[®] product for your project.
- Specify using the correct product code.
- Call Glasshape Customer Service Team for further assistance if unsure. Have the peace of mind that your project will perform in the demanding conditions of cyclonic activity.



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