



Your Dreams, Our Challenge

Performance Data Comparisons

Monolithic Glass 1/4" (6mm)

SOLARSHIELD® Tinted Glass

Product Configuration Outboard Lite Inboard Lite	Transmittance %			Reflectance %			Winter U-Value		Shading Coefficient	SHGC (100% Air)	LSG	DW Index
	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Solarshield Pure Grey	45	44	25	5	5	5	1.02	0.93	0.69	0.59	0.76	0.41
Solarshield Pure Bronze	54	48	24	5	5	4	1.02	0.93	0.62	0.62	0.87	0.43
Solarshield Pure Green	77	47	30	7	7	5	1.02	0.93	0.71	0.71	1.26	0.63
Solarshield Majestic Grey	65	54	32	7	7	6	1.02	0.93	0.76	0.66	0.98	0.56
Solarshield Forest Green	65	33	15	6	6	5	1.02	0.93	0.60	0.52	1.26	0.49
Solarshield Sky Blue	73	47	37	7	7	5	1.02	0.94	0.71	0.61	1.20	0.65
Solarshield Pure Blue	57	42	31	6	6	5	1.02	0.92	0.62	0.58	0.98	0.57
Solarshield Midnight Blue	34	18	17	5	5	4	1.02	0.92	0.49	0.42	0.83	0.37

Insulated Glass 1/4" (6mm) | 1/2" (13mm) spacer | 1/4" (6mm) (low-E #3)

SOLARSHIELD® Tinted Glass over Energy Select 36

Product Configuration Outboard Lite Inboard Lite	Transmittance %			Reflectance %			Winter U-Value		Shading Coefficient	SHGC (100% Air)	LSG	DW Index
	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Solarshield Pure Grey Energy Select 36 (3)	33	17	6	7	13	13	0.29	0.24	0.33	0.29	1.15	0.25
Solarshield Pure Bronze Energy Select 36 (3)	39	19	6	9	13	15	0.29	0.24	0.37	0.31	1.26	0.27
Solarshield Pure Green Energy Select 36 (3)	56	23	7	13	14	12	0.29	0.24	0.41	0.35	1.59	0.40
Solarshield Majestic Grey Energy Select 36 (3)	48	22	8	11	14	17	0.29	0.24	0.40	0.35	1.36	0.35
Solarshield Forest Green Energy Select 36 (3)	48	18	4	11	14	7	0.29	0.24	0.33	0.29	1.64	0.33
Solarshield Sky Blue Energy Select 36 (3)	54	23	9	13	14	12	0.29	0.24	0.40	0.35	1.54	0.41
Solarshield Pure Blue Energy Select 36 (3)	42	19	8	10	13	11	0.29	0.24	0.36	0.31	1.34	0.36
Solarshield Midnight Blue Energy Select 36 (3)	25	10	4	6	13	5	0.29	0.24	0.23	0.20	1.27	0.23

SOLARSHIELD® Tinted Glass over Energy Select 40

Product Configuration Outboard Lite Inboard Lite	Transmittance %			Reflectance %			Winter U-Value		Shading Coefficient	SHGC (100% Air)	LSG	DW Index
	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Solarshield Pure Grey Energy Select 40 (3)	35	18	7	6	10	13	0.29	0.24	0.34	0.29	1.20	0.28
Solarshield Pure Bronze Energy Select 40 (3)	42	20	7	7	10	15	0.29	0.24	0.37	0.32	1.32	0.30
Solarshield Pure Green Energy Select 40 (3)	61	25	9	10	11	11	0.29	0.24	0.42	0.37	1.65	0.44
Solarshield Majestic Grey Energy Select 40 (3)	51	24	9	9	11	16	0.29	0.24	0.41	0.36	1.42	0.39
Solarshield Forest Green Energy Select 40 (3)	51	20	5	9	11	7	0.29	0.24	0.34	0.30	1.71	0.35
Solarshield Sky Blue Energy Select 40 (3)	58	25	11	10	11	11	0.29	0.24	0.41	0.36	1.60	0.45
Solarshield Pure Blue Energy Select 40 (3)	45	21	9	8	10	10	0.29	0.24	0.37	0.32	1.40	0.39
Solarshield Midnight Blue Energy Select 40 (3)	27	11	5	6	10	5	0.29	0.24	0.24	0.21	1.32	0.26

Performance values are based on representative production samples and product modeling data using LBNL Window 7.3 software. Actual values may differ based on variations in the manufacturing process. For more information, please visit agcglass.com or contact Technical Services 888-234-8380. Environmental conditions based on NFRC 100-2010. Argon data based on 10% air and 90% argon. Thermal stress analysis or building codes may determine the requirement for heat-treated glass. Contact AGC Technical Services to ensure the correct form of glass to be supplied. For additional glass configurations use our AGC Glass Calculator. Performance data is subject to change and the most accurate data will be reflected in the Glass Calculator.

Performance Data Comparisons

Insulated Glass 1/4" (6mm) | 1/2" (13mm) spacer | 1/4" (6mm) (low-E #3)

SOLARSHIELD® Tinted Glass over Energy Select 63

Product Configuration Outboard Lite Inboard Lite	Transmittance %			Reflectance %			Winter U-Value		Shading Coefficient	SHGC (100% Air)	LSG	DW Index
	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Clear Energy Select 63 (3)	76	48	32	11	11	23	0.30	0.26	0.68	0.59	1.29	0.64
Solarshield Pure Grey Energy Select 63 (3)	39	26	14	6	9	10	0.30	0.26	0.41	0.36	1.08	0.33
Solarshield Pure Bronze Energy Select 63 (3)	46	29	13	7	10	11	0.30	0.26	0.45	0.39	1.19	0.35
Solarshield Pure Green Energy Select 63 (3)	66	32	17	9	11	9	0.30	0.26	0.48	0.41	1.61	0.52
Solarshield Majestic Grey Energy Select 63 (3)	57	34	16	8	10	13	0.30	0.26	0.50	0.43	1.32	0.45
Solarshield Forest Green Energy Select 63 (3)	56	24	9	8	10	6	0.30	0.26	0.37	0.33	1.72	0.41
Solarshield Sky Blue Energy Select 63 (3)	63	31	21	9	11	9	0.30	0.26	0.47	0.41	1.54	0.53
Solarshield Pure Blue Energy Select 63 (3)	49	27	17	7	10	9	0.30	0.26	0.43	0.37	1.32	0.46
Solarshield Midnight Blue Energy Select 63 (3)	30	13	10	5	9	5	0.30	0.26	0.25	0.22	1.35	0.30

SOLARSHIELD® Tinted Glass over Energy Select 73 Plus

Product Configuration Outboard Lite Inboard Lite	Transmittance %			Reflectance %			Winter U-Value		Shading Coefficient	SHGC (100% Air)	LSG	DW Index
	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Clear Energy Select 73 Plus (3)	73	54	39	15	14	14	0.34	0.30	0.79	0.69	1.06	0.61
Solarshield Pure Grey Energy Select 73 Plus (3)	37	29	16	7	12	7	0.34	0.30	0.49	0.42	0.88	0.31
Solarshield Pure Bronze Energy Select 73 Plus (3)	44	32	15	8	12	8	0.34	0.30	0.52	0.46	0.97	0.33
Solarshield Pure Green Energy Select 73 Plus (3)	64	33	20	12	13	9	0.34	0.30	0.52	0.45	1.41	0.49
Solarshield Majestic Grey Energy Select 73 Plus (3)	54	37	20	11	13	10	0.34	0.30	0.57	0.50	1.08	0.43
Solarshield Forest Green Energy Select 73 Plus (3)	54	24	10	10	13	6	0.34	0.30	0.40	0.35	1.55	0.38
Solarshield Sky Blue Energy Select 73 Plus (3)	60	33	24	12	13	9	0.34	0.30	0.51	0.45	1.35	0.50
Solarshield Pure Blue Energy Select 73 Plus (3)	47	29	20	9	13	8	0.34	0.30	0.47	0.41	1.14	0.44
Solarshield Midnight Blue Energy Select 73 Plus (3)	28	13	11	6	12	5	0.34	0.30	0.28	0.24	1.19	0.28

SOLARSHIELD® Tinted Glass over Clear

Product Configuration Outboard Lite Inboard Lite	Transmittance %			Reflectance %			Winter U-Value		Shading Coefficient	SHGC (100% Air)	LSG	DW Index
	Visible	Solar	UV	Out	In	Solar	Air	Argon				
Clear Clear	78	65	51	14	14	11	0.47	0.45	0.84	0.73	1.07	0.71
Solarshield Pure Grey Clear	40	35	20	7	12	6	0.47	0.45	0.54	0.47	0.85	0.36
Solarshield Pure Bronze Clear	48	39	19	8	12	7	0.47	0.45	0.58	0.51	0.94	0.38
Solarshield Pure Green Clear	68	39	25	11	13	7	0.47	0.45	0.58	0.50	1.37	0.56
Solarshield Majestic Grey Clear	58	44	26	10	13	8	0.47	0.45	0.63	0.55	1.05	0.50
Solarshield Forest Green Clear	58	28	12	10	13	6	0.47	0.45	0.46	0.40	1.45	0.43
Solarshield Sky Blue Clear	65	39	31	11	13	7	0.47	0.45	0.57	0.50	1.31	0.58
Solarshield Pure Blue Clear	50	35	26	8	12	7	0.47	0.45	0.53	0.46	1.09	0.50
Solarshield Midnight Blue Clear	31	15	14	6	11	5	0.47	0.45	0.34	0.29	1.05	0.32

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AGC GLASS NORTH AMERICA

AGC Glass is the world's largest manufacturer of glass and glass-related products. The company offers the widest range of flat glass for architectural, interior, and residential applications. AGC Glass North America is part of the AGC Group, which employs more than 50,000 worldwide in approximately 30 countries. As a global company, AGC leverages its many resources to develop innovative new products and to offer world-class service that is second to none. AGC glass products are available through an extensive network of glass fabricators and window manufacturers in the U.S. and Canada. To learn more, visit our website at www.agcglass.com.



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