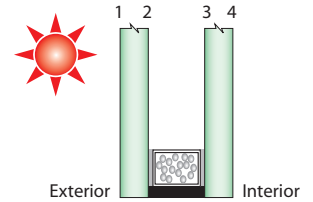


SUNGUARD SERIES PERFORMANCE DATA KINGSBURG, CALIFORNIA INSULATING GLASS UNITS



Appearance	Product	Outboard Substrate	Inboard Substrate	Transmission			Reflectance			U-Value		Relative Heat Gain	Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
				Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Winter Nighttime	Summer Daytime				
SunGuard SuperNeutral				Coating #2 Surface						6 mm / 12 mm a.s. / 6 mm					
Ultra Clear	SN 68	UltraWhite	UltraWhite	69	32	36	11	12	39	0.29	0.28	93	0.44	0.39	1.79
Ultra Clear	SN 62	UltraWhite	UltraWhite	64	15	28	11	14	40	0.29	0.27	76	0.36	0.32	2.00
Ultra Clear	SN 54	UltraWhite	UltraWhite	55	17	25	13	18	41	0.29	0.27	69	0.33	0.28	1.93
Clear	SN 68	Clear	Clear	68	29	33	11	12	32	0.29	0.28	90	0.43	0.38	1.80
Clear	SN 62	Clear	Clear	62	14	27	11	14	33	0.29	0.27	75	0.36	0.31	1.99
Clear	SN 54	Clear	Clear	54	15	23	13	18	33	0.29	0.27	68	0.32	0.28	1.91
Green	SN 68	Green	Clear	58	14	24	9	11	9	0.29	0.28	73	0.34	0.30	1.90
Green	SN 62	Green	Clear	53	7	20	9	13	10	0.29	0.27	64	0.30	0.27	1.98
Green	SN 54	Green	Clear	46	7	17	10	18	10	0.29	0.27	59	0.27	0.24	1.88
Light Gray	SN 68	CrystalGray	Clear	49	17	24	8	11	16	0.29	0.28	72	0.34	0.30	1.65
Light Gray	SN 62	CrystalGray	Clear	45	8	19	8	13	16	0.29	0.27	62	0.29	0.26	1.77
LightGray	SN 54	CrystalGray	Clear	39	9	17	9	17	17	0.29	0.27	57	0.26	0.23	1.68
				Coating #3 Surface											
Green	SN 62 (#3)	Green	Clear	53	7	20	11	11	11	0.29	0.27	79	0.37	0.33	1.61
Gray	SN 62 (#3)	Gray	Clear	31	5	14	7	10	14	0.29	0.27	63	0.29	0.26	1.20
Bronze	SN 62 (#3)	Bronze	Clear	38	6	16	8	10	18	0.29	0.27	70	0.33	0.29	1.31
Blue	SN 62 (#3)	Blue	Clear	39	8	17	8	10	15	0.29	0.27	71	0.34	0.30	1.33
Dark Green	SN 62 (#3)	SMG III	Clear	46	4	17	10	10	8	0.29	0.27	69	0.33	0.29	1.62
Light Gray	SN 62 (#3)	CrystalGray	Clear	45	8	19	9	10	19	0.29	0.27	77	0.37	0.32	1.40
SN 68 may also be used on the #3 surface with a tinted or coated outboard lite.															
SunGuard High Performance				Coating #2 Surface						6 mm / 12 mm a.s. / 6 mm					
Neutral Blue	Neutral 50	Clear	Clear	50	30	31	16	11	19	0.33	0.32	94	0.45	0.39	1.28
Neutral Gray	Neutral 40	Clear	Clear	40	26	25	20	12	22	0.33	0.33	78	0.37	0.32	1.25
Light Silver	AG 50	Clear	Clear	50	26	28	28	18	36	0.30	0.28	80	0.38	0.33	1.51
Light Silver	AG 43	Clear	Clear	41	23	24	30	15	33	0.31	0.30	71	0.33	0.29	1.39
Green	Neutral 50	Green	Clear	42	14	20	13	10	9	0.33	0.32	69	0.32	0.28	1.49
Green	Neutral 40	Green	Clear	34	12	16	16	12	10	0.33	0.33	59	0.27	0.24	1.39
Green	AG 50	Green	Clear	43	12	19	21	18	14	0.30	0.28	62	0.29	0.25	1.67
Green	AG 43	Green	Clear	35	11	15	23	14	14	0.31	0.30	55	0.26	0.23	1.52
Silver Gray	AG 50	CrystalGray	Clear	36	15	20	17	18	19	0.30	0.28	64	0.30	0.26	1.38
Silver Gray	AG 43	CrystalGray	Clear	30	13	16	18	14	18	0.31	0.30	58	0.27	0.24	1.25

NOTES:

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated in accordance with the LBNL Window 5.2 computer analysis using an air mass of 1.5.
- Outboard lite may require heat strengthening or tempering to resist potential thermal stresses. Please contact Guardian for assistance.
- A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.
- Guardian recommends edge deletion for all commercial low-E coatings.
- Guardian reserves the right to change product performance characteristics without notice or obligation.