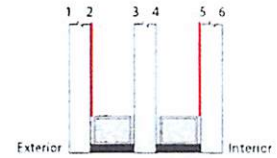


SunGuard® – Triple-Glazed Insulating Glass Data



Product	Substrate Outboard-Inboard	Appearance	Visible Light				UV	SHGC	U-Value	Light to Solar Gain	SHGC	U-Value	Light to Solar Gain
			Transmittance %	Reflectance		Color Rendering Index	Transmittance %						
				Out %	In %								
Coating #2 surface													
Argon													
Air													
Coating #2 surface													
SNX 62/27	Guardian UltraClear®	Ultra Clear	59	15	19	94.8	7	0.24	0.18	2.43	0.24	0.21	2.40
	Clear-Clear-Clear	Clear	56	14	18	91.6	5	0.24	0.18	2.33	0.24	0.21	2.29
SNX 51/23	Guardian UltraClear	Neutral Blue	49	16	20	93.9	12	0.21	0.18	2.34	0.21	0.21	2.29
	Clear-Clear-Clear	Neutral Blue	46	16	19	90.5	9	0.21	0.18	2.24	0.21	0.21	2.18
SNE 50/25	Guardian UltraClear	Blue-Silver	46	21	24	90.8	20	0.23	0.18	1.99	0.23	0.21	1.96
	Clear-Clear-Clear	Blue-Silver	44	21	23	87.2	14	0.23	0.18	1.93	0.23	0.21	1.90
SN 68	Guardian UltraClear	Ultra Clear	65	15	19	97.7	36	0.36	0.18	1.80	0.36	0.22	1.79
	Clear-Clear-Clear	Clear	61	15	18	94.0	25	0.34	0.18	1.80	0.34	0.22	1.79
SN 54	Guardian UltraClear	Ultra Clear	52	17	26	97.4	19	0.26	0.18	1.98	0.27	0.21	1.95
	Clear-Clear-Clear	Clear	49	17	25	94.8	13	0.26	0.18	1.94	0.26	0.21	1.90
SNR 50	Guardian UltraClear	Light Silver	46	29	23	93.4	23	0.23	0.18	1.99	0.23	0.21	1.96
	Clear-Clear-Clear	Light Silver	44	28	22	89.7	16	0.23	0.18	1.93	0.23	0.21	1.90
SNR 43	Guardian UltraClear	Light Silver	41	30	21	93.2	22	0.21	0.18	1.98	0.21	0.21	1.95
	Clear-Clear-Clear	Light Silver	39	29	20	89.6	14	0.20	0.18	1.92	0.21	0.21	1.89
SNR 35	Guardian UltraClear	Light Silver	32	37	25	91.7	14	0.15	0.18	2.09	0.16	0.21	2.04
	Clear-Clear-Clear	Light Silver	30	36	24	88.2	9	0.15	0.18	1.99	0.16	0.21	1.93
Coating #2 surface + Neutral 78/65 on #5 surface													
SNX 62/27	Guardian UltraClear®	Ultra Clear	57	14	16	94.7	6	0.24	0.13	2.36	0.24	0.16	2.33
	Clear-Clear-Clear	Clear	54	13	16	91.5	4	0.24	0.13	2.28	0.24	0.16	2.25
SNX 51/23	Guardian UltraClear	Neutral Blue	47	16	17	93.9	10	0.21	0.13	2.29	0.21	0.16	2.25
	Clear-Clear-Clear	Neutral Blue	45	15	17	90.4	7	0.20	0.13	2.22	0.21	0.16	2.17
SNE 50/25	Guardian UltraClear	Blue-Silver	45	21	21	90.9	16	0.23	0.13	1.94	0.23	0.16	1.92
	Clear-Clear-Clear	Blue-Silver	42	20	20	87.3	11	0.22	0.13	1.91	0.22	0.16	1.88
SN 68	Guardian UltraClear	Ultra Clear	63	14	16	97.6	27	0.36	0.13	1.75	0.36	0.17	1.75
	Clear-Clear-Clear	Clear	60	14	16	93.9	19	0.34	0.13	1.76	0.34	0.17	1.90
SN 54	Guardian UltraClear	Ultra Clear	51	16	23	97.3	15	0.26	0.13	1.93	0.27	0.16	1.90
	Clear-Clear-Clear	Clear	48	16	22	94.8	11	0.25	0.13	1.91	0.25	0.16	1.88
SNR 50	Guardian UltraClear	Light Silver	45	28	20	93.4	18	0.23	0.13	1.93	0.23	0.16	1.92
	Clear-Clear-Clear	Light Silver	42	27	19	89.7	13	0.22	0.13	1.91	0.22	0.16	1.88
SNR 43	Guardian UltraClear	Light Silver	40	29	18	93.2	17	0.21	0.13	1.94	0.21	0.16	1.92
	Clear-Clear-Clear	Light Silver	38	29	17	89.5	11	0.20	0.13	1.91	0.20	0.16	1.87
SNR 35	Guardian UltraClear	Light Silver	31	37	22	91.7	11	0.15	0.13	2.05	0.15	0.16	2.02
	Clear-Clear-Clear	Light Silver	29	36	21	88.2	7	0.15	0.13	1.99	0.15	0.16	1.94

- Double-glazed insulating glass configurations are 6 mm/12.7 mm spacer/6 mm.
- Triple-glazed insulating glass configurations are 6 mm/12.7 mm spacer/6 mm/12.7 mm spacer/6 mm.
- Configurations with Guardian UltraClear® low-iron glass contain Guardian UltraClear® outboard & inboard.
- All other insulating glass configurations contain substrates as indicated.
- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated for center-of-glass only in accordance with LBNL Window 7 program.
- SNR 35, SNR 43, SNR 50 and IS 20 require heat-treatment.
- U-value calculated is winter nighttime.
- A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.
- Guardian reserves the right to change product performance characteristics without notice or obligation.

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