



BUILD WITH LIGHT. Our comprehensive range of coatings, colors and design solutions allows architects to explore fully the aesthetic and functional possibilities of light — both interior and exterior — while meeting complex energy and performance requirements.



SuperNeutral

Guardian's SuperNeutral products offer industry leading light-to-solar-gain ratios with a variety of appearance options.

- SNX 62/27
- SuperNeutral 68
- SNR 43
- SNX 51/23
- SuperNeutral 54

Specialty Glass, Tints and the #3 surface

SuperNeutral products are available with standard clear and Guardian's UltraClear glass, along with green, CrystalBlue, CrystalGray and gray for lower reflectance, reduced glare and improved solar control. SN 68, SNX 62/27 and Neutral 78/65 can be used on the #3 surface — Guardian recommends a tinted or coated outboard lite when these coatings are used on the #3 surface.

High Performance

SunGuard High Performance glass delivers medium to high visible light transmission and moderate reflectivity along with maximum energy savings that meet or exceed energy code requirements. SunGuard IS 20 can be used on the #4 surface of a double-glazed IG unit or the #6 surface of a triple-glazed unit in conjunction with another SunGuard low-E coating on the #2 surface to significantly improve U-value.

- Neutral 78/65
- Neutral 40
- AG 50
- Neutral 50
- SunGuard IS 20
- AG 43

Solar Control

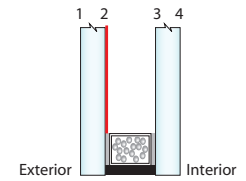
Our SunGuard **Silver 20** is a high-performance, solar-reflective product that specializes in blocking heat and delivering energy efficiency to meet or exceed energy code requirements.

Guardian Select® Fabricators

SunGuard products are produced at multiple U.S. locations and are distributed through Guardian's independent network of Select Fabricators. To locate a Select Fabricator, visit www.SunGuardGlass.com.

To learn more, call us at
1-866-GuardSG (482-7374) or visit us online
www.SunGuardGlass.com





Insulating Glass Data

Product	Outboard - Inboard Substrate	Appearance	Transmittance			Reflectance			U-Value Winter Nighttime		Relative Heat Gain	Solar Heat Gain Co-efficient	Light to Solar Gain (LSG)	
			Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Air	Argon				
SuperNeutral			Coating #2 Surface - unless noted (#3)							6 mm/12.7 mm a.s./6 mm				
SNX 62/27	UltraClear - UltraClear	Ultra Clear	64	8	24	11	13	51	0.29	0.24	65	0.27	2.40	
	Clear - Clear	Clear	62	6	23	11	12	39	0.29	0.24	65	0.27	2.31	
	Green - Clear	Green	52	3	18	9	12	10	0.29	0.24	59	0.24	2.13	
	CrystalGray - Clear	Light Gray	44	3	16	8	11	19	0.29	0.24	54	0.22	1.98	
	Gray - Clear	Gray	31	3	12	6	11	19	0.29	0.24	45	0.18	1.71	
SNX 51/23	CrystalBlue - Clear	Blue	40	4	15	7	11	25	0.29	0.24	51	0.21	1.91	
	UltraClear - UltraClear	Neutral Blue	53	14	20	14	14	46	0.29	0.24	57	0.23	2.28	
	Clear - Clear	Neutral Blue	51	11	19	14	14	36	0.29	0.24	57	0.23	2.19	
	Green - Clear	Blue-Green	43	5	15	11	13	10	0.29	0.24	52	0.22	1.99	
	CrystalGray - Clear	Light Gray	36	6	14	9	13	18	0.29	0.24	48	0.20	1.85	
SN 68	Gray - Clear	Gray	26	5	10	7	13	17	0.29	0.24	41	0.16	1.57	
	CrystalBlue - Clear	Blue	33	7	13	9	13	23	0.29	0.24	46	0.19	1.78	
	UltraClear - UltraClear	Ultra Clear	71	40	37	11	13	43	0.29	0.25	94	0.39	1.80	
	Clear - Clear	Clear	68	30	33	11	12	33	0.29	0.25	90	0.38	1.80	
	Green - Clear	Green	57	13	23	9	12	9	0.29	0.25	72	0.30	1.92	
SN 54	CrystalGray - Clear	Light Gray	48	17	23	8	11	16	0.29	0.25	71	0.30	1.64	
	Gray - Clear	Gray	34	13	18	6	11	16	0.29	0.25	61	0.25	1.37	
	CrystalBlue - Clear	Blue	44	19	23	7	11	21	0.29	0.25	70	0.29	1.51	
	UltraClear - UltraClear	Ultra Clear	56	22	26	13	19	44	0.29	0.24	69	0.29	1.96	
	Clear - Clear	Clear	54	16	24	13	18	35	0.29	0.24	68	0.28	1.92	
SNR 43	Green - Clear	Green	45	7	17	11	18	10	0.29	0.24	58	0.24	1.89	
	CrystalGray - Clear	Light Gray	38	9	17	9	18	17	0.29	0.24	56	0.23	1.67	
	Gray - Clear	Gray	27	7	13	7	17	16	0.29	0.24	48	0.19	1.40	
	CrystalBlue - Clear	Blue	35	10	16	8	17	22	0.29	0.24	54	0.22	1.57	
	UltraClear - UltraClear	Light Silver	45	24	21	28	14	54	0.29	0.24	56	0.23	1.96	
High Performance	Clear - Clear	Light Silver	43	17	19	28	14	43	0.29	0.24	56	0.23	1.89	
	Green - Clear	Green	36	8	14	21	14	14	0.29	0.24	50	0.20	1.78	
	CrystalGray - Clear	Silver Gray	31	9	13	16	14	21	0.29	0.24	47	0.19	1.59	
	Gray - Clear	Silver Gray	22	8	10	10	13	19	0.29	0.24	41	0.17	1.31	
	CrystalBlue - Clear	Silver Blue	28	11	13	14	13	26	0.29	0.24	46	0.19	1.50	
Neutral 78/65 (#3)	UltraClear - UltraClear	Ultra Clear	81	54	66	13	13	23	0.31	0.27	171	0.72	1.12	
	Clear - Clear	Clear	78	39	55	13	13	19	0.31	0.27	156	0.66	1.18	
	UltraClear - UltraClear	Ultra Clear	81	54	66	13	13	22	0.31	0.27	160	0.68	1.19	
	Clear - Clear	Clear	78	39	55	13	13	18	0.31	0.27	147	0.62	1.26	
	Clear - Clear	Neutral Blue	50	31	32	16	11	20	0.33	0.29	95	0.39	1.27	
Neutral 78/65	Green - Clear	Green	42	13	20	13	10	9	0.33	0.29	68	0.28	1.50	
	Clear - Clear	Neutral Gray	40	27	25	21	12	23	0.33	0.29	78	0.32	1.25	
	Green - Clear	Green	34	11	16	16	12	10	0.33	0.29	59	0.24	1.40	
	UltraClear - UltraClear	Light Silver	52	43	33	28	19	41	0.30	0.25	86	0.36	1.45	
	Clear - Clear	Light Silver	50	30	29	27	19	34	0.30	0.25	82	0.34	1.48	
AG 50	Green - Clear	Green	42	12	18	21	18	13	0.30	0.25	61	0.25	1.66	
	CrystalGray - Clear	Silver Gray	35	16	20	16	18	18	0.30	0.25	64	0.26	1.34	
	Gray - Clear	Silver Gray	25	12	16	10	18	16	0.30	0.25	57	0.23	1.08	
	CrystalBlue - Clear	Silver Blue	32	17	20	14	18	21	0.30	0.25	65	0.27	1.20	
	UltraClear - UltraClear	Light Silver	45	38	30	30	15	40	0.30	0.26	80	0.33	1.34	
AG 43	Clear - Clear	Light Silver	43	26	26	30	15	33	0.30	0.26	76	0.31	1.37	
	Green - Clear	Green	36	11	16	22	15	13	0.30	0.26	57	0.23	1.55	
	CrystalGray - Clear	Silver Gray	30	14	18	17	14	18	0.30	0.26	60	0.25	1.23	
	Gray - Clear	Silver Gray	21	11	15	11	14	15	0.30	0.26	54	0.22	0.98	
	CrystalBlue - Clear	Silver Blue	28	15	18	15	14	20	0.30	0.26	61	0.25	1.10	
IS 20 (#4) w/ SN coatings (#2)	SNX 62/27	Clear - Clear	Clear	60	6	22	12	13	40	0.23	0.20	62	0.26	2.33
	SNX 51/23	Clear - Clear	Neutral Blue	50	10	18	14	14	36	0.23	0.20	54	0.22	2.23
	SN 68	Clear - Clear	Clear	66	29	32	12	13	33	0.24	0.20	87	0.36	1.82
	SN 54	Clear - Clear	Clear	52	15	23	14	19	35	0.24	0.20	65	0.27	1.94
	SNR 43	Clear - Clear	Light Silver	42	17	18	28	15	43	0.23	0.20	53	0.22	1.92
Solar Control														
Silver 20	Clear - Clear	Silver	18	16	14	30	30	26	0.37	0.33	56	0.22	0.81	
	Green - Clear	Green	15	7	8	23	30	12	0.37	0.33	46	0.18	0.83	

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated for center-of-glass only (no spacer or framing) in accordance with the LBNL Window 7 program.
- Relative Heat Gain, Solar Heat Gain Coefficient and/or LSG may change slightly when using argon gas fill.
- A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.
- SunGuard IS 20 is also available on Guardian UltraClear low-iron float glass with SunGuard High Performance and Solar products.
- Guardian reserves the right to change product performance characteristics without notice or obligation.