



**GUARDIAN
SUNGUARD®**

ADVANCED ARCHITECTURAL GLASS

SYRACUSE GLASS COMPANY

BUILD WITH LIGHT®

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® Series

NATURAL LIGHT, NEUTRAL COLOR AND SOLAR PERFORMANCE IN LOW-E GLASS

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

SNX 62/27: 62% light transmission with a very low 0.27 solar heat gain coefficient.

SUPERNEUTRAL 68: 68% light transmission with a neutral reflected color.

SUPERNEUTRAL 62: 62% light transmission with a slightly blue reflected color.

SUPERNEUTRAL 54: 54% light transmission to strike the perfect balance between natural daylight, glare control and energy savings.

SUPERNEUTRAL ON SPECIALTY GLASS AND TINTS

In addition to standard clear float glass, SuperNeutral products are available with Guardian's UltraWhite™ float glass. SuperNeutral products are also available on green, TwilightGreen™ and CrystalGray® for lower reflectance, reduced glare and improved solar control.



**HEARST CORPORATION
NEW YORK, NY, USA**

ARCHITECT: Foster & Partners

GLAZIER: Permasteelisa

FABRICATOR: Zadra

GLASS: Guardian SunGuard
SuperNeutral Series

High Performance Series

HIGH PERFORMANCE LOW-E COATED GLASS

SunGuard High Performance Series glass delivers medium to high visible light transmission and moderate reflectivity along with maximum energy savings that meet or exceed energy code requirements. There are seven low-emissivity coatings to choose from on both clear and green substrates. In addition, AG Series and Royal Blue 40 are available on new CrystalGray.

**LIGHT BLUE 63
AG 50**

**NEUTRAL 61
AG 43**

**NEUTRAL 50
ROYAL BLUE 40**

NEUTRAL 40

Solar Series

SOLAR CONTROL REFLECTIVE COATED GLASS

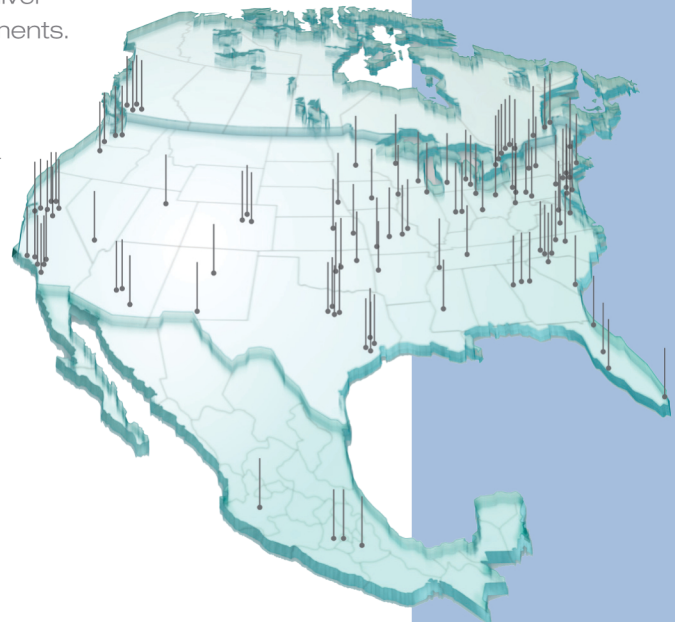
The SunGuard Solar Series consists of two high-performance, solar-reflective coated glass products that specialize in blocking heat. Both deliver energy efficiency that meets or exceeds energy code requirements.

SILVER 32

SILVER 20

Guardian Select™ Fabricators

SunGuard products are produced at multiple U.S. locations and are distributed through Guardian's independent network of Select Fabricators. These fabricators have completed a rigorous certification process administered by Guardian. 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

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	SNX 62/27	UltraWhite	UltraWhite	63	6	24	11	12	48	0.28	0.27	65	0.30	0.27	2.37
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	SNX 62/27	Clear	Clear	62	6	23	11	12	39	0.28	0.27	65	0.31	0.27	2.30
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	SNX 62/27	Green	Clear	52	3	18	9	11	11	0.28	0.27	59	0.28	0.25	2.13
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
Dark Green	SNX 62/27	TwilightGreen	Clear	46	2	16	8	11	8	0.28	0.27	54	0.25	0.22	2.07
Dark Green	SN 68	TwilightGreen	Clear	51	8	20	8	11	7	0.29	0.28	64	0.30	0.27	1.92
Dark Green	SN 62	TwilightGreen	Clear	47	4	17	8	13	7	0.29	0.27	58	0.27	0.24	1.97
Dark Green	SN 54	TwilightGreen	Clear	41	4	15	9	17	8	0.29	0.27	53	0.25	0.22	1.85
Light Gray	SNX 62/27	CrystalGray	Clear	45	4	17	8	11	19	0.28	0.27	55	0.25	0.22	1.99
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											
Bronze	SNX 62/27 (#3)	Bronze	Clear	38	2	14	7	10	19	0.28	0.27	65	0.31	0.27	1.40
Green	SNX 62/27 (#3)	Green	Clear	52	3	18	10	10	11	0.28	0.27	76	0.36	0.32	1.66
Dark Green	SNX 62/27 (#3)	TwilightGreen	Clear	46	2	16	9	10	8	0.28	0.27	67	0.32	0.28	1.66
Light Gray	SNX 62/27 (#3)	CrystalGray	Clear	45	4	17	8	10	20	0.28	0.27	73	0.34	0.30	1.49
Gray	SNX 62/27 (#3)	Gray	Clear	31	2	12	6	10	15	0.28	0.27	58	0.27	0.24	1.28
Dark Gray	SNX 62/27 (#3)	MidnightGray	Clear	6	0	2	5	9	5	0.28	0.27	29	0.12	0.11	0.56
SN 68 or SN 62 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					
Light Blue	Light Blue 63	Clear	Clear	62	40	43	15	12	15	0.34	0.35	122	0.59	0.51	1.20
Neutral Pewter	Neutral 61	Clear	Clear	61	27	34	20	15	31	0.30	0.29	95	0.45	0.40	1.53
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
Royal Blue	Royal Blue 40	Clear	Clear	38	21	24	24	18	24	0.31	0.31	76	0.36	0.31	1.21
Blue-Green	Light Blue 63	Green	Clear	52	18	26	12	12	8	0.34	0.35	84	0.39	0.35	1.51
Green	Neutral 61	Green	Clear	51	13	23	15	14	11	0.30	0.29	71	0.34	0.30	1.74
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
Aquamarine	Royal Blue 40	Green	Clear	32	9	15	19	17	12	0.31	0.31	56	0.26	0.23	1.40
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
Blue Gray	Royal Blue 40	CrystalGray	Clear	27	11	17	15	17	14	0.31	0.31	60	0.28	0.25	1.11
SunGuard Solar				Coating #2 Surface						6 mm / 12 mm a.s. / 6 mm					
Silver Blue-Gray	Silver 32	Clear	Clear	29	23	20	22	21	18	0.42	0.44	76	0.35	0.31	0.94
Silver	Silver 20	Clear	Clear	18	15	12	31	27	27	0.39	0.41	54	0.24	0.21	0.84
Blue-Green	Silver 32	Green	Clear	24	11	12	17	21	10	0.42	0.44	61	0.27	0.24	1.00
Green	Silver 20	Green	Clear	15	7	8	24	27	13	0.39	0.41	48	0.21	0.19	0.82

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.
- Glass may require heat strengthening or tempering to resist potential thermal stresses. Please contact Guardian for assistance.
- Guardian recommends edge deletion for all commercial low-E coatings.
- Guardian reserves the right to change product performance characteristics without notice or obligation.