



**SUNGUARD**<sup>®</sup>  
ADVANCED ARCHITECTURAL GLASS



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

**SUPERNEUTRAL 68** transmits the most light and has the most neutral appearance of any SunGuard product.

**SUPERNEUTRAL 54** combines a neutral appearance with exceptional solar-energy control to strike the perfect balance between natural daylight, glare control and energy savings.

**SUPERNEUTRAL ON ULTRAWHITE™ LOW-IRON GLASS AND CRYSTALGRAY™**

For a stunning, ultra-clear appearance combined with superior energy efficiency, SuperNeutral 68 and SuperNeutral 54 are available with Guardian's UltraWhite in both laminated or standard insulating glass units. SuperNeutral products are also available on new CrystalGray for lower reflectance, reduced glare and improved solar control.

## 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.

<b>LIGHT BLUE 63</b>	<b>NEUTRAL 61</b>	<b>NEUTRAL 50</b>	<b>NEUTRAL 40</b>
<b>AG 50</b>	<b>AG 43</b>	<b>ROYAL BLUE 40</b>	

## Solar Series

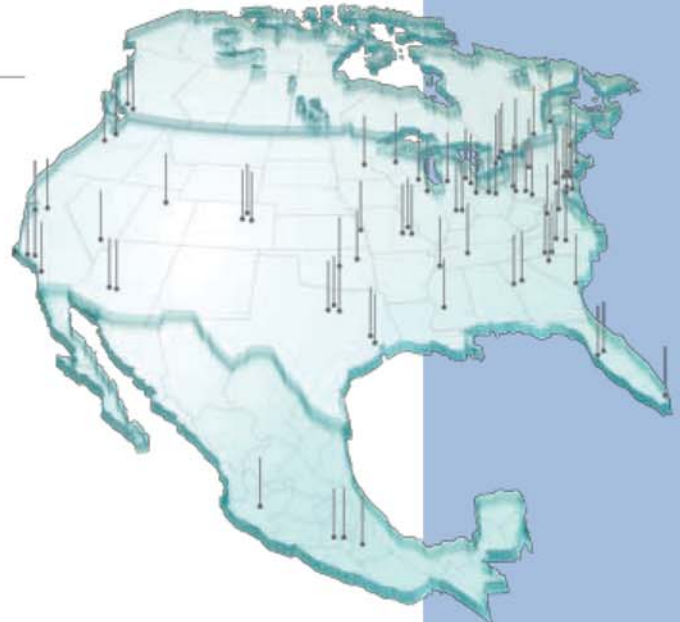
SOLAR CONTROL REFLECTIVE COATED GLASS

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**

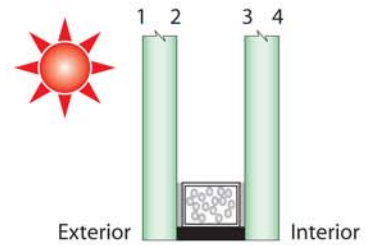
## SunGuard Select™ Fabricators

SunGuard products are produced at several U.S. locations and are distributed through Guardian's independent network of SunGuard Select Fabricators. These fabricators have completed a rigorous certification process administered by Guardian. To locate a SunGuard Select Fabricator, visit [www.SunGuardGlass.com](http://www.SunGuardGlass.com).



**HEARST CORPORATION**  
NEW YORK, NY, USA  
ARCHITECT: Foster & Partners  
GLAZIER: Permasteelisa  
FABRICATOR: Zadra  
GLASS: Guardian SunGuard SuperNeutral Series

To learn more, call us at  
**1-866-GuardSG (482-7374)** or visit us  
online [www.SunGuardGlass.com](http://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 %	Total Solar Energy %	Visible Light Out %	Visible Light In %	Total Solar Energy %	Winter Nighttime	Summer Daytime				
<b>SunGuard SuperNeutral</b>				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	<b>0.39</b>	1.79
Ultra Clear	SN 54	UltraWhite	UltraWhite	55	17	25	13	18	41	0.29	0.27	69	0.33	<b>0.28</b>	1.93
Clear	SN 68	Clear	Clear	68	29	33	11	12	32	0.29	0.28	90	0.43	<b>0.38</b>	1.80
Clear	SN 54	Clear	Clear	54	15	23	13	18	33	0.29	0.27	68	0.32	<b>0.28</b>	1.91
Green	SN 68	Green	Clear	58	14	24	9	11	9	0.29	0.28	73	0.34	<b>0.30</b>	1.90
Green	SN 54	Green	Clear	46	7	17	10	18	10	0.29	0.27	59	0.27	<b>0.24</b>	1.88
Light Gray	SN 68	CrystalGray	Clear	49	18	24	8	11	16	0.29	0.28	72	0.34	<b>0.30</b>	1.65
LightGray	SN 54	CrystalGray	Clear	39	9	17	9	17	17	0.29	0.27	57	0.26	<b>0.23</b>	1.68
				Coating #3 Surface											
Green	SN 68 (#3)	Green	Clear	58	14	24	10	10	10	0.29	0.28	84	0.40	<b>0.35</b>	1.64
Gray	SN 68 (#3)	Gray	Clear	35	13	18	6	9	15	0.29	0.28	71	0.34	<b>0.30</b>	1.20
Bronze	SN 68 (#3)	Bronze	Clear	41	12	20	7	9	16	0.29	0.28	75	0.36	<b>0.31</b>	1.30
Blue	SN 68 (#3)	Blue	Clear	44	17	21	8	9	13	0.29	0.28	78	0.37	<b>0.33</b>	1.33
Dark Green	SN 68 (#3)	SMG III	Clear	51	8	19	9	10	8	0.29	0.28	73	0.35	<b>0.30</b>	1.67
Light Gray	SN 68 (#3)	CrystalGray	Clear	49	17	24	9	10	17	0.29	0.28	85	0.41	<b>0.35</b>	1.39
<b>SunGuard High Performance</b>				Coating #2 Surface								6 mm / 12 mm a.s. / 6 mm			
Light Blue	Light Blue 63	Clear	Clear	62	39	43	15	12	15	0.34	0.35	122	0.59	<b>0.51</b>	1.20
Neutral Pewter	Neutral 61	Clear	Clear	61	27	34	20	15	31	0.30	0.29	95	0.45	<b>0.40</b>	1.53
Neutral Blue	Neutral 50	Clear	Clear	50	30	31	16	11	19	0.33	0.32	94	0.45	<b>0.39</b>	1.28
Neutral Gray	Neutral 40	Clear	Clear	40	26	25	20	12	22	0.33	0.33	78	0.37	<b>0.32</b>	1.25
Light Silver	AG 50	Clear	Clear	50	26	28	28	18	36	0.30	0.28	80	0.38	<b>0.33</b>	1.51
Light Silver	AG 43	Clear	Clear	41	23	24	30	15	33	0.31	0.30	71	0.33	<b>0.29</b>	1.39
Royal Blue	Royal Blue 40	Clear	Clear	38	21	24	24	18	24	0.31	0.31	76	0.36	<b>0.31</b>	1.21
Blue-Green	Light Blue 63	Green	Clear	52	18	26	12	12	8	0.34	0.35	84	0.39	<b>0.35</b>	1.51
Green	Neutral 61	Green	Clear	51	13	23	15	14	11	0.30	0.29	71	0.34	<b>0.30</b>	1.74
Green	Neutral 50	Green	Clear	42	14	20	13	10	9	0.33	0.32	69	0.32	<b>0.28</b>	1.49
Green	Neutral 40	Green	Clear	34	12	16	16	12	10	0.33	0.33	59	0.27	<b>0.24</b>	1.39
Green	AG 50	Green	Clear	43	12	19	21	18	14	0.30	0.28	62	0.29	<b>0.25</b>	1.67
Green	AG 43	Green	Clear	35	11	15	23	14	14	0.31	0.30	55	0.26	<b>0.23</b>	1.52
Aquamarine	Royal Blue 40	Green	Clear	32	9	15	19	17	12	0.31	0.31	56	0.26	<b>0.23</b>	1.40
Silver Gray	AG 50	CrystalGray	Clear	36	15	20	17	18	19	0.30	0.28	64	0.30	<b>0.26</b>	1.38
Silver Gray	AG 43	CrystalGray	Clear	30	13	16	18	14	18	0.31	0.30	58	0.27	<b>0.24</b>	1.25
Blue Gray	Royal Blue 40	CrystalGray	Clear	27	12	17	15	17	14	0.31	0.31	60	0.28	<b>0.25</b>	1.11
<b>SunGuard Solar</b>				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	<b>0.31</b>	0.94
Silver	Silver 20	Clear	Clear	18	15	12	31	27	27	0.39	0.41	54	0.24	<b>0.21</b>	0.84
Blue-Green	Silver 32	Green	Clear	24	11	12	17	21	10	0.42	0.44	61	0.27	<b>0.24</b>	1.00
Green	Silver 20	Green	Clear	15	7	8	24	27	13	0.39	0.41	48	0.21	<b>0.19</b>	0.82
				Solar Coating #2 Surface / SuperNeutral Coating #3 Surface											
Silver Blue-Gray	Silver 32/SN 68	Clear	Clear	24	14	12	21	15	20	0.29	0.28	52	0.24	<b>0.21</b>	1.13
Silver	Silver 20/SN 68	Clear	Clear	15	9	7	31	19	28	0.29	0.27	39	0.17	<b>0.15</b>	0.99
Blue-Green	Silver 32/SN 68	Green	Clear	21	7	9	17	15	10	0.29	0.28	44	0.20	<b>0.18</b>	1.15
Green	Silver 20/SN 68	Green	Clear	13	4	5	24	19	13	0.29	0.27	35	0.16	<b>0.14</b>	0.93

**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.
- Some product names have changed: Light Blue 63 (formerly LE-63), Neutral 61 (formerly NP-61), Neutral 50 (formerly LE-50) and Neutral 40 (formerly LE-40).



**TO REQUEST SAMPLES**  
 visit [SunGuardGlass.com](http://SunGuardGlass.com) or call 1-866-GuardSG  
 482-7374