



## Interior-Surface Coating

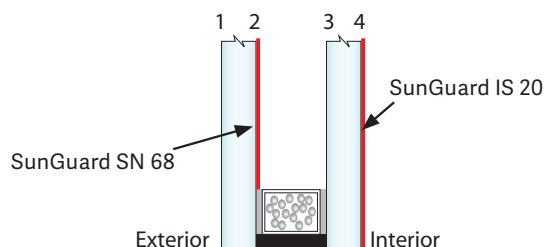
# SunGuard IS 20

**LOWER U-VALUE. LESS HEAT GAIN. GREATER ENERGY SAVINGS.**

SunGuard IS 20 is Guardian's interior-surface coating designed for all types of commercial glazings. 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. The performance data on the back of this flyer demonstrates the improved U-value achieved by using SunGuard IS 20.

In the U.S. and Canada, current and projected Energy Codes, as well as high-performance "Green" building codes, are pushing for lower U-value requirements. SunGuard IS 20 from Guardian helps architects meet these codes by bringing the U-value performance of double-glaze units closer to that of triple-glaze, and by improving triple-glaze performance in buildings and climates where maximum heat flow resistance is desired.

### Typical Insulating Glass Configuration with SunGuard IS 20 Glass



### At a glance

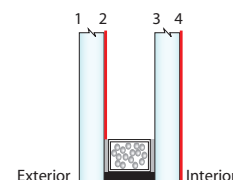
- High light transmission
- Neutral color with low haze and ultra-smooth surface
- Can be cleaned with common glass cleaners
- Thousands of dollars in potential energy savings
- Helps projects qualify for LEED credits

SunGuard products are distributed through Guardian's independent network of Select Fabricators. To locate a Select Fabricator, visit [www.GuardianGlass.com](http://www.GuardianGlass.com).

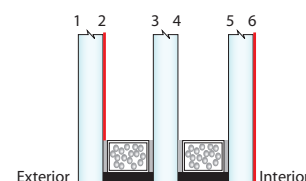
To learn more, call us at  
**1-866-GuardSG (482-7374)** or visit us online  
[www.GuardianGlass.com](http://www.GuardianGlass.com)



## Double-Glazed 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			
Double-glazed - coating #2 & IS #4 surface													
6 mm-12.7 mm a.s.-6 mm													
SNE 50/25 + IS	UltraClear - UltraClear Clear - Clear	Blue-Silver	48	21	22	19	18	51	0.23	0.20	59	0.25	1.97
			47	16	20	19	18	40	0.23	0.20	58	0.24	1.93
SNX 62/27 + IS	UltraClear - UltraClear Clear - Clear	Clear	62	8	24	12	13	51	0.23	0.20	62	0.26	2.41
			60	6	22	12	13	40	0.23	0.20	62	0.26	2.33
SNX 51/23 + IS	UltraClear - UltraClear Clear - Clear	Neutral Blue	51	13	20	14	14	46	0.23	0.20	54	0.22	2.31
			50	10	18	14	14	36	0.23	0.20	54	0.22	2.23
SN 68 + IS	UltraClear - UltraClear Clear - Clear	Clear	69	37	36	12	13	43	0.24	0.20	91	0.38	1.80
			66	29	32	12	13	33	0.24	0.20	87	0.36	1.82
SN 54 + IS	UltraClear - UltraClear Clear - Clear	Clear	54	20	25	14	19	44	0.24	0.20	67	0.28	1.97
			52	15	23	14	19	35	0.24	0.20	65	0.27	1.94
SNR 43 + IS	UltraClear - UltraClear Clear - Clear	Light Silver	43	22	20	29	15	54	0.23	0.20	54	0.22	1.97
			42	17	18	28	15	43	0.23	0.20	53	0.22	1.92
AG 50 + IS	UltraClear - UltraClear Clear - Clear	Light Silver	51	40	32	28	20	41	0.24	0.21	82	0.34	1.47
			49	28	27	28	19	34	0.24	0.21	78	0.32	1.50
AG 43 + IS	UltraClear - UltraClear Clear - Clear	Light Silver	43	35	29	31	16	40	0.24	0.21	77	0.32	1.35
			42	25	25	30	15	33	0.24	0.21	71	0.30	1.41
Neutral 50	Clear - Clear	Neutral Blue	48	30	30	16	12	20	0.26	0.23	88	0.37	1.31
Neutral 40	Clear - Clear	Neutral Gray	39	26	24	21	13	23	0.26	0.23	72	0.30	1.30
Neutral 78/65	Clear - Clear	Clear	76	37	52	13	13	18	0.25	0.22	140	0.60	1.27



## Triple-Glazed Insulating Glass Data

Product	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			
Triple-glazed - coating #2 & IS #6 surface									6 mm-12.7 mm-6 mm-12.7 mm a.s.-6 mm				
SNE 50/25 + IS	UltraClear - UltraClear Clear - Clear	Blue-Silver	45	19	21	22	24	52	0.18	0.15	55	0.23	1.96
			42	13	18	21	23	41	0.18	0.15	53	0.22	1.92
SNX 62/27 + IS	UltraClear - UltraClear Clear - Clear	Clear	57	7	22	15	19	52	0.18	0.15	57	0.24	2.40
			54	5	20	15	19	41	0.18	0.15	56	0.23	2.31
SNX 51/23 + IS	UltraClear - UltraClear Clear - Clear	Neutral Blue	47	12	18	17	20	46	0.18	0.15	50	0.21	2.31
			45	8	17	16	20	37	0.18	0.15	49	0.20	2.21
SN 68 + IS	UltraClear - UltraClear Clear - Clear	Clear	63	33	33	16	19	45	0.18	0.16	84	0.35	1.79
			60	24	28	15	19	35	0.18	0.16	79	0.33	1.80
SN 54 + IS	UltraClear - UltraClear Clear - Clear	Clear	50	18	23	16	24	45	0.18	0.16	61	0.26	1.96
			48	12	20	16	23	36	0.18	0.16	59	0.25	1.93
SNR 43 + IS	UltraClear - UltraClear Clear - Clear	Light Silver	40	20	18	30	21	55	0.18	0.16	49	0.20	1.96
			38	14	16	29	20	44	0.18	0.16	48	0.20	1.91

- 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.
- Glass may require heat strengthening or tempering to resist potential thermal stresses. SunGuard IS 20 and SNR 43 must be heat-treated.
- Guardian reserves the right to change product performance characteristics without notice or obligation.
- SunGuard IS 20 is also available with SunGuard High Performance and Solar products.

Guardian Glass  
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1-866-GuardSG (482-7374) | [www.GuardianGlass.com](http://www.GuardianGlass.com)