

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.

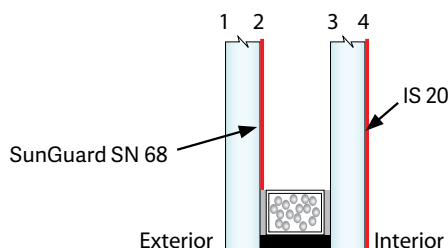
In the U.S. and Canada, current and projected Energy Codes, as well as high-performance "Green" building codes, are pushing for lower U-value requirements. SunGuard IS 20 from Guardian helps architects meet these codes by bringing the U-value performance of double-glaze units closer to that of triple-glaze,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



SunGuard SNX 62/27 & IS 20
Owego Elementary School, Owego, NY

BUILD WITH LIGHT®

Typical Insulating Glass Configuration with SunGuard IS 20 Glass



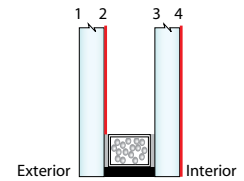
At a glance

- 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

Both SNX products help projects qualify for LEED credits. 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.

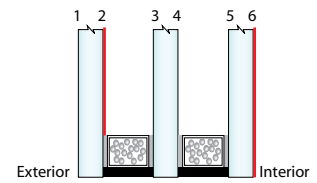
To learn more, call us at
1-866-GuardSG (482-7374) or visit us online
www.SunGuardGlass.com

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 20 #4 surface											6 mm/12.7 mm a.s./6 mm		
SNX 62/27 + IS 20	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 20	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 20	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 20	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 20	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

Triple-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			
Triple-glazed - coating #2 & IS 20 #6 surface											6 mm/12.7 mm/6 mm/12.7 mm a.s./6 mm		
SNX 62/27 + IS 20	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 20	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 20	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 20	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 20	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. 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.