

SUNGUARD INTERIOR-SURFACE COATING

SunGuard IS 20

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

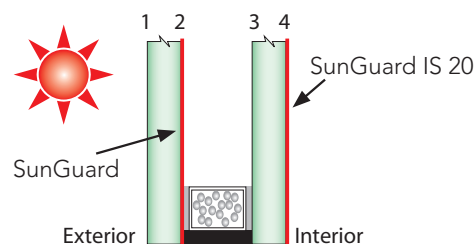
SunGuard IS 20 is Guardian's commercial-grade interior-surface coating designed to be used on the #4 surface of a double-glazed IG unit in conjunction with a solar control low-E SunGuard coating on the #2 surface. The performance data below and on the back of this flyer demonstrates the improved U-value achieved by using SunGuard IS 20.

Product	Visible Light			UV Trans %	SHGC	U-Value		Light-to-Solar Gain
	Trans %	Reflect Out %	Reflect In %			Winter Nighttime		
						Air	Argon	
SNX 62/27	62	11	12	6	0.26	0.28	0.24	2.35
SNX 62/27 + IS 20	60	11	13	6	0.25	0.23	0.20	2.36
SuperNeutral 68	68	11	12	29	0.37	0.29	0.25	1.82
SuperNeutral 68 + IS 20	66	11	13	28	0.36	0.24	0.20	1.83
SuperNeutral 62	62	11	14	14	0.31	0.29	0.24	2.02
SuperNeutral 62 + IS 20	60	12	13	13	0.30	0.23	0.20	2.03
SuperNeutral 54	54	13	18	15	0.28	0.29	0.25	1.95
SuperNeutral 54 + IS 20	52	13	18	14	0.27	0.24	0.20	1.97
SNR 43	43	27	14	17	0.22	0.29	0.24	1.94
SNR 43 + IS 20	42	26	14	16	0.21	0.23	0.20	1.95

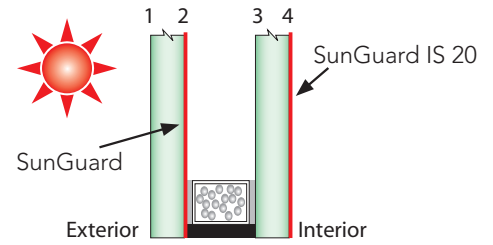
Glass configuration: 6 mm clr / 12 mm air space / 6 mm clr. SHGC performance data is measured with argon fill. Primary low-E coatings are on the #2 surface; SunGuard IS 20 coating is on #4 surface.

- High visible 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
- Available nationwide through the Guardian Select network of independent fabricators to meet tight project deadlines

Typical Insulating Glass Configuration with SunGuard IS 20 Glass



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 Winter Nighttime		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 %	Air	Argon				
SunGuard SuperNeutral				Coating #2 & #4 Surface						6 mm / 12 mm a.s. / 6 mm					
Ultra Clear	SNX 62/27	UltraWhite	UW	63	6	24	11	12	48	0.28	0.27	65	0.30	0.27	2.37
	SNX 62/27 + IS 20			61	6	23	11	12	48	0.23	0.20	61	0.29	0.25	2.40
	SN 68			69	32	36	11	12	39	0.29	0.28	93	0.44	0.39	1.79
	SN 68 + IS 20			67	30	34	11	13	39	0.24	0.20	88	0.43	0.37	1.81
	SN 62			64	15	28	11	14	40	0.29	0.27	76	0.36	0.32	2.00
	SN 62 + IS 20			62	14	28	11	14	40	0.23	0.20	72	0.35	0.30	2.03
	SN 54			55	17	25	13	18	41	0.29	0.27	69	0.33	0.28	1.93
SN 54 + IS 20	53	16	24	13	18	41	0.24	0.20	65	0.31	0.27	1.97			
Light Silver	SNR 43			44	18	20	28	14	50	0.29	0.27	56	0.26	0.23	1.92
	SNR 43 + IS 20			43	17	19	28	14	50	0.23	0.20	52	0.25	0.22	1.97
Clear	SNX 62/27	Clear	Clear	62	6	23	11	12	39	0.28	0.24	63	0.30	0.26	2.35
	SNX 62/27 + IS 20			60	6	22	11	13	40	0.23	0.20	61	0.29	0.25	2.36
	SN 68			68	29	33	11	12	32	0.29	0.25	88	0.43	0.37	1.82
	SN 68 + IS 20			66	28	32	11	13	32	0.24	0.20	85	0.41	0.36	1.83
	SN 62			62	14	27	11	14	33	0.29	0.24	73	0.35	0.31	2.02
	SN 62 + IS 20			60	13	26	12	13	33	0.23	0.20	71	0.34	0.30	2.03
	SN 54			54	15	23	13	18	33	0.29	0.25	66	0.31	0.28	1.95
SN 54 + IS 20	52	14	23	13	18	33	0.24	0.20	63	0.30	0.27	1.97			
Light Silver	SNR 43			43	17	19	27	14	42	0.29	0.24	54	0.25	0.22	1.94
	SNR 43 + IS 20			42	16	18	26	14	42	0.23	0.20	51	0.25	0.21	1.95
Green	SNX 62/27	Green	Clear	52	3	18	9	11	11	0.28	0.24	56	0.27	0.23	2.24
	SNX 62/27 + IS 20			51	3	18	9	12	11	0.23	0.20	53	0.26	0.22	2.27
	SN 68			58	14	24	9	11	9	0.29	0.25	70	0.33	0.29	1.97
	SN 68 + IS 20			56	14	23	9	12	10	0.24	0.20	67	0.32	0.28	2.00
	SN 62			53	7	20	9	13	10	0.29	0.24	61	0.29	0.26	2.07
	SN 62 + IS 20			51	7	19	10	14	10	0.23	0.20	58	0.28	0.24	2.10
	SN 54			46	7	17	10	18	10	0.29	0.25	55	0.26	0.23	1.97
	SN 54 + IS 20			44	7	17	11	18	10	0.24	0.20	53	0.25	0.22	2.01
SNR 43	36	8	14	21	14	14	0.29	0.24	47	0.22	0.20	1.88			
SNR 43 + IS 20	35	8	14	21	14	14	0.23	0.20	44	0.21	0.18	1.93			
Dark Green	SNX 62/27	TwilightGreen	Clear	46	2	16	8	11	8	0.28	0.24	51	0.24	0.21	2.20
	SNX 62/27 + IS 20			45	2	15	9	12	8	0.23	0.20	48	0.23	0.20	2.25
	SN 68			51	8	20	8	11	7	0.29	0.25	61	0.29	0.26	2.01
	SN 68 + IS 20			50	8	19	9	12	7	0.24	0.20	58	0.28	0.24	2.05
	SN 62			47	4	17	8	13	7	0.29	0.24	54	0.26	0.21	2.07
	SN 62 + IS 20			45	4	16	9	13	7	0.23	0.20	51	0.25	0.22	2.12
	SN 54			41	4	15	9	17	8	0.29	0.25	50	0.23	0.21	1.97
	SN 54 + IS 20			39	4	14	10	18	8	0.24	0.20	47	0.22	0.20	2.02
SNR 43	32	5	12	18	13	11	0.29	0.24	42	0.20	0.18	1.85			
SNR 43 + IS 20	31	5	11	18	14	11	0.23	0.20	40	0.19	0.17	1.91			
Light Gray	SNX 62/27	CrystalGray	Clear	45	4	17	8	11	19	0.28	0.24	52	0.24	0.21	2.09
	SNX 62/27 + IS 20			43	3	16	8	12	19	0.23	0.20	49	0.24	0.21	2.12
	SN 68			49	17	24	8	11	16	0.29	0.25	69	0.33	0.29	1.70
	SN 68 + IS 20			48	17	23	8	12	16	0.24	0.20	66	0.32	0.28	1.72
	SN 62			45	8	19	8	13	16	0.29	0.24	59	0.28	0.25	1.84
	SN 62 + IS 20			44	8	19	8	13	16	0.23	0.20	56	0.27	0.24	1.87
SN 54	39	9	17	9	17	17	0.29	0.25	53	0.25	0.22	1.76			
SN 54 + IS 20	38	9	16	9	18	17	0.24	0.20	51	0.24	0.21	1.79			
Silver Gray	SNR 43			31	10	13	17	13	21	0.29	0.24	44	0.21	0.18	1.68
	SNR 43 + IS 20			30	9	13	17	14	21	0.23	0.20	42	0.20	0.18	1.72

- 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.
- SHGC performance data is measured with argon gas fill.
- Glass may require heat strengthening or tempering to resist potential thermal stresses. SNR 43 must be heat-treated.
- Guardian recommends edge deletion for all commercial low-E coatings.
- 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. Contact your SunGuard sales representative for more information.