

Guardian SunGuard® Performance Comparison Table

SunGuard® Solution							SHGC U LSG CRI	Solar Heat Gain Coefficient					
Visible Light Levels (%) and Colors	RO Reflectance Outward T Transmission RI Reflectance Inward			SHGC		U		LSG		CRI			
	RO	T	RI	SHGC	U	LSG	CRI	RO	T	RI	SHGC	U	LSG
Vitro - Solarban® (SB)													
SB z50 on Optiblue®	8	51	12	0.32	0.29	1.57	91.0						
SN 68 on CrystalBlue™	7	44	11	0.29	0.29	1.51	91.1						
SB 60	11	70	13	0.39	0.29	1.81	94.8						
SN 68	11	68	12	0.38	0.29	1.80	95.4						
SB 67	19	54	16	0.29	0.29	1.85	91.4						
SNE 50/25	19	48	18	0.25	0.29	1.90	88.9						
SB 70	14	64	14	0.27	0.29	2.35	91.3						
SNX 62/27	11	62	12	0.27	0.29	2.31	93.0						
SB 72 on Starphire®	14	68	14	0.28	0.29	2.45	95.2						
SNX 62/27 on UltraClear®	11	64	13	0.27	0.29	2.40	95.0						
SN 68 on UltraClear®	11	71	13	0.39	0.29	1.80	97.9						
SB z75 on Optiblue®	9	48	13	0.24	0.29	1.99	88.5						
SNX 62/27 on CrystalBlue™	7	40	11	0.21	0.29	1.91	88.8						
SB 90	13	51	19	0.23	0.29	2.19	91.7						
SNX 51/23	14	51	14	0.23	0.29	2.18	91.9						
SB R100	32	42	14	0.23	0.29	1.79	89.7						
SNR 43	28	43	14	0.23	0.29	1.89	91.1						
SB R77	25	47	16	0.25	0.29	1.88	94.00						
SNR 50	26	48	17	0.25	0.29	1.91	91.3						
AGC - Energy Select™ (ES)													
ES 23	22	50	22	0.23	0.29	2.16	88.6						
SNX 51/23	14	51	14	0.23	0.29	2.18	91.9						
ES 28	13	62	14	0.28	0.29	2.18	90.4						
SNX 62/27	11	62	12	0.27	0.29	2.31	93.0						
ES 31	21	62	21	0.31	0.29	2.01	95.9						
SNE 50/25	19	48	18	0.25	0.29	1.90	88.9						
ES R34	25	54	21	0.34	0.29	1.58	95.7						
SNR 50	26	48	17	0.25	0.29	1.91	91.3						
ES 36	14	65	17	0.36	0.29	1.79	94.9						
ES 40	12	69	13	0.39	0.29	1.79	94.8						
SN 68	11	68	12	0.38	0.29	1.80	95.4						
ES R42	26	62	21	0.42	0.30	1.46	96.8						
SNR 50	26	48	17	0.25	0.29	1.91	91.3						
ES 63 (#3)	11	78	11	0.55	0.30	1.40	95.8						
ES 73 Plus (#3)	17	74	16	0.68	0.34	1.08	96.0						
Neutral 78/65 (#3)	13	78	13	0.66	0.31	1.18	96.9						
Cardinal - LoĒ													
LoĒ-180 (#3)	14	77	15	0.64	0.30	1.21	96.6						
Neutral 78/65 (#3)	13	78	13	0.66	0.31	1.18	96.9						
LoĒ ² -240	14	38	10	0.25	0.30	1.51	87.4						
SN 54 on CrystalGray®	9	38	18	0.23	0.29	1.67	91.3						
LoĒ ² -270	12	68	13	0.36	0.29	1.88	94.0						
LoĒ ² -272	10	70	12	0.40	0.29	1.73	95.4						
SN 68	11	68	12	0.38	0.29	1.80	95.4						
LoĒ ³ -340	13	38	15	0.19	0.29	2.00	80.1						
SNX 51/23 on CrystalGray®	9	36	13	0.20	0.29	1.85	88.8						
LoĒ ³ -366	11	63	12	0.28	0.29	2.26	90.4						
SNX 62/27	11	62	12	0.27	0.29	2.31	93.0						
Pilkington													
Energy Advantage™ (#3)	17	73	16	0.66	0.33	1.10	96.9						
Neutral 78/65 (#3)	13	78	13	0.66	0.31	1.18	96.9						
Eclipse Advantage™	29	60	31	0.55	0.35	1.09	98.6						
SNR 50	26	48	17	0.25	0.29	1.91	91.3						
Solar-E™	11	53	16	0.45	0.33	1.19	91.7						
SN 54	13	54	18	0.28	0.29	1.92	94.4						

- All information is based upon publicly-available resources, manufacturer website, and represents center-of-glass conditions (independently of spacers and framing).
- Except as otherwise noted, each glazing configuration consists of 6 mm clear glass with a #2 surface coating : 1/2" air fill : clear glass.
- This list is not meant to be a comprehensive listing of comparable products. Please consult with your Guardian representative for other products or configurations.
- Where low-iron glass is referenced, both panes are low-iron glass. Where tinted glass is referenced, the inboard pane remains clear glass.
- Digital color depictions are not exact, and physical samples should be reviewed.
- This information was compiled in March of 2022, and is subject to variations within manufacturing tolerances.
- Product specifications may be changed by manufacturers without notice or obligation.
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- LoĒ products are Cardinal Glass Industries trademarks. Energy Advantage™, Eclipse Advantage™, and Solar-E™ are Pilkington NA trademarks.