



PERFORMANCE COMPARISON TABLES

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BUILD WITH LIGHT



SOLAR SERIES PERFORMANCE COMPARISON

SunGuard Silver 32

Manufacturer			V	isible Light			Solar		Light to
	Product		Trans-	Reflectance		Shading	Heat Gain	U-Value	Solar Gain
		Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
Guardian	SunGuard Silver 32	Clear/Clear	29	22	21	.35	.31	.42	.94
Viracon	Solarscreen VT1-30	Clear/Clear	27	17	30	.34	.29	.43	.94
Guardian	SunGuard Silver 32	Green/Clear	24	17	21	.27	.24	.42	1.00
Viracon	Solarscreen VT2-30	Green/Clear	23	13	31	.27	.23	.43	1.00

SunGuard Silver 20

Manufacturer			V	isible Light			Solar		Light to
	Product		Trans-	Reflectance		Shading	Heat Gain	U-Value	Solar Gain
		Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
Guardian	SunGuard Silver 20	Clear/Clear	18	31	27	.24	.21	.39	.84
Viracon	Solarscreen VY1-20	Clear/Clear	18	27	35	.28	.24	.42	.76
Guardian	SunGuard Silver 20	Green/Clear	15	24	27	.21	.19	.39	.82
Viracon	Solarscreen VY2-20	Green/Clear	16	22	35	.24	.21	.42	.74

Notes:

[·] All coatings on the #2 surface unless otherwise noted.

[•] The Guardian SunGuard performance values shown are nominal and subject to manufacturing tolerances. Performance data are calculated in accordance with the LBNL Window 5.2 computer analysis using an air mass of 1.5. Guardian reserves the right to change product performance characteristics without notice or obligation.

[•] Performance data from other glass companies are based on available public information. Products shown are not exact visual matches. Glass samples should be obtained to determine similarity of products in appearance.



HIGH PERFORMANCE SERIES PERFORMANCE COMPARISON

SunGuard AG 43, AG 50 & Neutral 61

			V	isible Light			Solar		Light to
			Trans-	Reflectance		Shading	Heat Gain	U-Value	Solar Gain
Manufacturer	Product	Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
	SunGuard AG 43	Clear/Clear	41	30	15	.33	.29	.31	1.39
Guardian	SunGuard AG 50	Clear/Clear	50	28	18	.38	.33	.30	1.51
	SunGuard Neutral 61 *	Clear/Clear	61	20	15	.45	.40	.30	1.53
	VRE 1-38	Clear/Clear	36	44	21	.27	.23	.30	1.57
Viracon	VRE 1-46	Clear/Clear	43	34	15	.33	.28	.30	1.53
VII acom	VRE 1-59	Clear/Clear	53	30	19	.39	.33	.30	1.60
	VRE 1-67	Clear/Clear	60	29	25	.43	.38	.30	1.57
PPG	Solarban 80	Clear/Clear	47	32	36	.27	.23	.29	2.04
	SunGuard AG 43	Green/Clear	35	23	14	.26	.23	.31	1.52
Guardian	SunGuard AG 50	Green/Clear	43	21	18	.29	.25	.30	1.67
	SunGuard Neutral 61 *	Green/Clear	51	15	14	.34	.30	.30	1.74
	VRE 2-38	Green/Clear	30	35	21	.22	.19	.30	1.60
Viracon	VRE 2-46	Green/Clear	36	26	15	.26	.23	.30	1.57
VIIACUII	VRE 2-59	Green/Clear	44	23	19	.30	.26	.30	1.70
	VRE 2-67	Green/Clear	50	22	24	.33	.28	.30	1.79

^{*} Neutral 61 was formerly called NP 61

SunGuard Royal Blue 40

			Visible Light				Solar		Light to
			Trans-	Trans- Reflectance		Shading	Heat Gain	U-Value	Solar Gain
Manufacturer	Product	Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
Guardian	SunGuard Royal Blue 40	Clear/Clear	38	24	18	.36	.31	.31	1.21
\	Solarscreen VE5-52	Blue/Clear	32	9	10	.32	.28	.32	1.14
Viracon	Solarscreen VT1-40	Clear/Clear	36	12	26	.43	.37	.44	0.98
Guardian	SunGuard Royal Blue 40	Green/Clear	32	19	17	.26	.23	.31	1.40
Viracon	Solarscreen VE2-52	Green/Clear	43	12	11	.34	.29	.32	1.50
	Solarscreen VT2-40	Green/Clear	31	10	26	.33	.28	.44	1.09

Notes:

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HIGH PERFORMANCE SERIES PERFORMANCE COMPARISON

SunGuard Neutral 40 & Neutral 50

			L	isible Light			Solar		Light to
			Trans-	Reflectance		Shading	Heat Gain	U-Value	Solar Gain
Manufacturer	Product	Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
Guardian	SunGuard Neutral 40 *	Clear/Clear	40	20	12	.37	.32	.33	1.25
Viracon	Solarscreen VE1-40	Clear/Clear	36	15	19	.32	.28	.31	1.30
riidoon	Solarscreen VE1-42	Clear/Clear	37	19	14	.36	.31	.31	1.20
Guardian	SunGuard Neutral 40 *	Green/Clear	34	16	12	.27	.24	.33	1.39
Viracon	Solarscreen VE2-40	Green/Clear	32	12	19	.26	.21	.31	1.44
	Solarscreen VE2-42	Green/Clear	31	15	14	.27	.23	.31	1.37
Guardian	SunGuard Neutral 50 *	Clear/Clear	50	16	11	.45	.39	.33	1.28
Viracon	Solarscreen VE1-52	Clear/Clear	50	16	11	.46	.40	.32	1.24
Vilacon	Solarscreen VE1-55	Clear/Clear	47	11	16	.40	.35	.31	1.34
Pilkington	Solar E**	Clear/Clear	53	11	15	.51	.45	.33	1.17
Guardian	SunGuard Neutral 50 *	Green/Clear	42	13	10	.32	.28	.33	1.49
Viracon	Solarscreen VE2-52	Green/Clear	43	12	11	.34	.29	.32	1.50
VII acom	Solarscreen VE2-55	Green/Clear	40	10	16	.30	.26	.31	1.53

^{*} Neutral 40 was formerly called LE 40, Neutral 50 was formerly called LE 50

SunGuard Light Blue 63

			V	isible Light			Solar		Light to
			Trans-	Trans- Reflect		Shading	Heat Gain	U-Value	Solar Gain
Manufacturer	Product	Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
Guardian	SunGuard Light Blue 63 *	Clear/Clear	62	15	12	.59	.51	.34	1.20
Viracon	VE1-85	Clear/Clear	72	12	13	.61	.53	.31	1.37
Pilkington	Energy Advantage**	Clear/Clear	73	16	17	.71	.62	.33	1.20
PPG	Sungate 500**	Clear/Clear	74	16	17	.71	.62	.35	1.19
Guardian	SunGuard Light Blue 63 *	Green/Clear	52	12	12	.39	.35	.34	1.51
Viracon	VE2-85	Green/Clear	62	10	12	.44	.38	.31	1.64

^{*} Light Blue 63 was formerly called LE 63

Notes

^{**} Denotes pyrolytic coating

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SUPERNEUTRAL SERIES PERFORMANCE COMPARISON

SunGuard SN 54 & SN 68

			Visible Light				Solar	ME SE	Light to
			Trans-	Reflectance		Shading	Heat Gain	U-Value	Solar Gain
Manufacturer	Product	Substrate	mittance %	Out %	In %	Coefficient	Coefficient	Winter	(LSG)
Guardian	SunGuard SN 54	Clear/Clear	54	13	18	.32	.28	.29	1.91
Guardian	SunGuard SN 68	Clear/Clear	68	11	12	.43	.38	.29	1.80
	VE1-2M	Clear/Clear	67	11	12	.43	.37	.29	1.82
Viracon	VNE1-63	Clear/Clear	62	10	11	.32	.28	.29	2.23
	VRE1-54	Clear/Clear	48	32	16	.36	.31	.30	1.60
PPG	Solarban 60	Clear/Clear	70	11	12	.44	.38	.29	1.84
110	Solarban 70	Starphire/Clear	64	11	12	.31	.27	.28	2.37
	Comfort Ti-R	Clear/Clear	66	19	21	.50	.43	.29	1.53
AFG	Comfort Ti-AC 36	Clear/Clear	66	11	12	.41	.36	.29	1.83
	Comfort Ti-AC 40	Clear/Clear	68	10	12	.44	.39	.29	1.77
O	SunGuard SN 54	Green/Clear	46	10	18	.27	.24	.29	1.88
Guardian	SunGuard SN 68	Green/Clear	58	9	12	.34	.30	.29	1.90
	VE2-2M	Green/Clear	58	9	11	.35	.31	.29	1.86
Viracon	VNE2-63	Green/Clear	52	9	11	.29	.25	.29	2.08
	VRE2-54	Green/Clear	40	24	16	.28	.24	.30	1.60

Notes:

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