

Solar Gard® performance specifications

Performance results were generated from testing 1/8" (3mm) thick clear glass and have been measured, calculated and reported in accordance with ASTM, ASHRAE and AIMCAL standards. Performance results are subject to variations within industry standards.

Film Type	Solar Energy			Visible Light			E	Thermal Energy			UV Light Blocked T%	Total Solar Energy Rejected
	T%	A%	R%	T%	Ext. R%	Int. R%		Wtr U-Val	SC	SHGC		
Aluminum												
Silver 50	39	38	23	53	23	22	.77	1.00	.58	.50	99	50
Silver 35	25	38	37	34	38	36	.73	.98	.42	.36	99	64
Silver 20	12	35	53	16	58	58	.70	.97	.25	.21	99	79
Grey/Silver 15	9	62	29	8	11	49	.72	.98	.31	.26	99	74
Bronze/Silver 15	7	57	36	8	19	59	.71	.97	.27	.23	99	77
Grey/Silver/Grey 10	11	64	25	6	10	10	.79	1.01	.35	.30	99	70
Bronze/Silver/Bronze 10	12	62	26	8	13	14	.70	.97	.34	.29	99	71
Clear Glass												
3mm Clear (No Film)	83	9	8	90	9	9	.84	1.04	.98	.85	27	15
Quantum												
Quantum/Silver/Quantum 20	18	75	7	21	8	6	.85	1.04	.48	.41	99	59
Quantum/Silver/Quantum 10	7	70	23	9	24	22	.85	1.04	.33	.28	99	72
Sentinel												
4 Mil Clear OSW 1/8" (3mm)	78	14	8	89	10	10	.90	1.04	.95	.82	>99	18
Sentinel Stainless Steel 45 OSW	43	43	14	46	15	12	.88	1.04	.65	.72	>99	44
Sentinel Stainless Steel 40 OSW	37	46	17	39	18	16	.87	1.04	.58	.67	>99	50
Sentinel Stainless Steel 25 OSW	23	50	27	24	28	26	.86	1.04	.43	.37	>99	63
Sentinel Stainless Steel 15 OSW	13	49	38	13	40	36	.83	1.04	.32	.49	>99	73
Sentinel Solar Bronze 40 OSW	26	24	50	40	26	23	.74	1.04	.38	1.06	>99	67
Sentinel Solar Bronze 30 OSW	18	25	57	30	32	29	.74	1.04	.29	1.03	>99	75
Sentinel Solar Bronze 20 OSW	10	25	65	19	40	38	.73	1.04	.21	.94	>99	82
Silver 35 OSW 1/8" (3mm)	25	29	46	34	41	37	.78	1.04	.39	.33	>99	67
Silver 20 OSW 1/8" (3mm)	11	25	64	16	61	58	.76	1.04	.22	.18	>99	82
Solar Bronze												
Solar Bronze 50	29	34	37	45	23	21	.69	.96	.45	.38	99	62
Solar Bronze 35	21	35	44	35	29	27	.68	.95	.35	.30	99	70
Solar Bronze 20	12	38	50	22	37	36	.66	.94	.26	.22	99	78
Stainless Steel												
Stainless Steel 10	9	55	37	9	43	42	.79	1.01	.29	.25	99	75.3
Stainless Steel 50	44	44	12	48	13	11	.89	1.07	.67	.57	99	43
Stainless Steel 35	39	48	13	42	15	12	.88	1.06	.62	.53	99	47
Stainless Steel 30	31	52	17	34	20	17	.86	1.05	.54	.47	99	53
Stainless Steel 20	22	55	23	24	28	25	.84	1.04	.44	.38	99	62
Summer/Winter Low-E												
Silver Ag 25 Low-E	14	42	44	22	41	48	.33	.75	.27	.23	99	77
TrueVue												
TrueVue 40	38	40	22	39	14	10	.75	.99	.57	.49	>99	51
TrueVue 30	27	41	32	31	22	13	.75	.99	.45	.39	>99	61
TrueVue 15	9	40	51	12	45	23	.75	.99	.24	.20	>99	80
TrueVue 5	6	43	51	5	45	8	.75	.99	.21	.18	>99	82

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