



SAFETY & SECURITY

Film Performance Results - 1/8" (3mm) Thick Clear Glass

Film Type	Adhesive		Solar Energy			Visible Light				E	Thermal Energy				UV Light T%	Total Solar Energy Rejected (%)
	PSA	CDA	T%	A%	R%	T%	A%	Exterior R%	Interior R%		Summer U-Value	Winter U-Value	SC	SHGC		
Clear Safety & Security																
2 Mil Clear	•		83	9	8	90	1	9	9	.87	1.04	1.12	.99	.85	<2	14
4 Mil Clear	•		79	13	8	89	2	9	9	.90	1.07	1.14	.96	.82	<2	16
7 Mil Clear	•		79	13	8	88	2	10	10	.90	1.05	1.11	.95	.82	<2	17
8 Mil Clear	•		82	9	9	89	1	10	10	.89	1.06	1.13	.98	.84	<2	15
10 Mil Clear	•		77	14	9	87	2	11	11	.88	1.06	1.13	.94	.81	<2	18
11 Mil Clear 2-Ply	•		78	13	9	88	2	10	10	.89	1.07	1.13	.95	.82	<2	17
14 Mil Clear	•		76	15	9	87	2	11	11	.89	1.07	1.13	.93	.80	<2	19
Solar Safety & Security																
4 Mil Stainless Steel 50 Formerly 4 Mil Stainless Steel 150	•		42	46	12	47	39	14	11	.90	1.14	1.14	.65	.56	<2	43
4 Mil Stainless Steel 35 Formerly 4 Mil Stainless Steel 160	•		39	47	14	42	41	17	14	.84	1.11	1.11	.60	.52	<2	48
4 Mil Stainless Steel 30 Formerly 4 Mil Stainless Steel 165	•		30	53	17	33	47	20	18	.88	1.14	1.13	.53	.45	<2	54
4 Mil Stainless Steel 20 Formerly 4 Mil Stainless Steel 175	•		21	56	23	22	51	27	25	.85	1.13	1.11	.43	.37	<2	63
8 Mil Stainless Steel 50 Formerly 8 Mil Stainless Steel 150	•		40	49	11	44	42	14	11	.88	1.13	1.13	.62	.54	<2	46
8 Mil Stainless Steel 35 Formerly 8 Mil Stainless Steel 160	•		34	52	14	38	46	16	13	.88	1.14	1.13	.57	.49	<2	50
8 Mil Stainless Steel 20 Formerly 8 Mil Stainless Steel 175	•		19	59	22	21	52	27	24	.86	1.14	1.12	.42	.36	<2	63
10 Mil Stainless Steel 50	•		45	43	12	49	37	14	11	.87	1.12	1.12	.67	.57	<2	42
10 Mil Stainless Steel 35	•		37	48	15	41	42	17	14	.89	1.14	1.13	.60	.51	<2	48
4 Mil Solar Bronze 35 Formerly 4 Mil Solar Bronze 165	•		19	39	42	31	40	29	27	.68	1.01	1.03	.34	.29	<2	70
4 Mil Solar Bronze 20 Formerly 4 Mil Solar Bronze 175	•		9	41	50	18	44	38	40	.68	1.01	1.03	.23	.20	<2	80
4 Mil Silver 20 Formerly 4 Mil Silver 80	•		11	37	52	15	26	59	60	.71	1.02	1.04	.24	.20	<2	79
8 Mil Silver 35	•		26	40	34	35	30	35	33	.71	1.03	1.04	.42	.36	<2	63
8 Mil Silver 20 Formerly 8 Mil Silver 80	•		10	39	51	14	28	58	59	.70	1.02	1.04	.24	.20	<2	79
10 Mil Silver 20 Formerly 10 Mil Silver 80	•		12	39	49	17	27	56	55	.70	1.02	1.04	.26	.22	<2	77

Legend

T = Transmittance A = Absorptance R = Reflectance E = Emissivity U-Value = Heat Transfer Coefficient SC = Shading Coefficient
 SHGC = Solar Heat Gain Coefficient UV = Ultraviolet

Conversions

2 Mil = 50 micron 4 Mil = 100 micron 7 Mil = 175 micron 8 Mil = 200 micron 10 Mil = 250 micron 11 Mil = 275 micron 14 Mil = 350 micron

Notes:

- 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.
- Bekaert Specialty Films, LLC is a participating member of AIMCAL, the Association of Industrial Metallizers, Coaters and Laminators. All data reported on performance results has been tested using ASHRAE, ASTM, IWFA and AIMCAL calculations and test procedures. Performance results are subject to variations within industry standards and only intended for estimating purposes.
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