



ARCHITECTURAL

Film Performance Results

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	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		
Glass Without Film																
Clear			83	9	8	90	2	8	8	.84	1.03	1.11	1.00	.86	<28	13
Stainless Steel																
Stainless Steel 60		•	59	32	9	64	25	11	9	.89	1.11	1.13	.79	.68	<2	31
Stainless Steel 50	•	•	44	44	12	48	39	13	11	.89	1.13	1.13	.66	.57	<2	43
Stainless Steel 35		•	39	48	13	42	43	15	13	.88	1.13	1.13	.61	.53	<2	47
Stainless Steel 30	•		31	52	17	34	46	20	17	.86	1.13	1.12	.53	.46	<2	54
Stainless Steel 20	•	•	22	55	23	23	49	28	25	.84	1.12	1.11	.43	.37	<2	63
Stainless Steel 10	•		9	55	36	9	48	43	42	.79	1.10	1.08	.28	.24	<2	76
Quantum																
Quantum/Silver/Quantum 20		•	18	75	7	22	70	8	6	.85	1.16	1.11	.46	.40	<2	60
Quantum/Silver/Quantum 10		•	7	70	23	9	66	25	21	.85	1.15	1.11	.32	.27	<2	72
Solar Bronze																
Solar Bronze 50		•	29	34	37	45	32	23	21	.69	1.01	1.03	.44	.38	<2	62
Solar Bronze 35	•	•	21	36	43	35	36	29	27	.68	1.00	1.03	.35	.30	<2	70
Solar Bronze 20	•	•	12	39	49	22	41	37	37	.66	1.00	1.02	.25	.22	<2	78
Aluminum																
Silver 50	•	•	35	34	31	47	24	29	27	.77	1.05	1.07	.51	.44	<2	56
Silver 35	•	•	25	39	36	34	29	37	36	.73	1.04	1.05	.41	.35	<2	64
Silver 20	•	•	11	37	52	16	26	58	58	.70	1.02	1.04	.24	.21	<2	79
Grey/Silver 20	•		15	61	24	13	77	10	35	.74	1.08	1.06	.37	.32	<2	68
Grey/Silver 15		•	9	62	29	8	81	11	49	.72	1.07	1.05	.30	.26	<2	74
Bronze/Silver 20	•		16	57	27	16	70	14	37	.72	1.06	1.05	.37	.32	<2	68
Bronze/Silver 15	•	•	7	57	36	8	73	19	59	.71	1.06	1.04	.26	.22	<2	77
Gold/Silver 20	•		11	41	48	15	33	52	59	.69	1.02	1.03	.25	.21	<2	78
Blue/Silver 20	•		10	48	42	13	51	36	57	.72	1.05	1.05	.26	.22	<2	77
Green/Silver 20	•		8	50	42	12	46	42	61	.72	1.05	1.05	.25	.22	<2	78
Grey/Silver/Grey 10	•	•	11	64	25	6	83	11	10	.79	1.11	1.08	.34	.29	<2	70
Bronze/Silver/Bronze 10	•	•	11	63	26	8	78	14	14	.70	1.06	1.04	.33	.28	<2	71
Summer/Winter Low-Emissivity																
Silver Ag 25 Low-E		•	14	42	44	22	37	41	49	.33	.80	.84	.26	.23	<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

Notes:

1. 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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