

## 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 AIA/CAL 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		
<b>Glass Without Film</b>																
Clear			83	9	8	90	2	8	8	.84	1.03	1.11	1.00	.86	<28	13
<b>Stainless Steel</b>																
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
<b>Quantum</b>																
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
<b>Solar Bronze</b>																
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
<b>Aluminum</b>																
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
<b>Summer/Winter Low-Emissivity</b>																
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. Bekant Specialty Films, LLC is a participating member of AIA/CAL, the Association of Industrial Metallizers, Coaters and Laminators. All data reported on performance results has been tested using ASHRAE, ASTM, WFA and AIA/CAL calculations and test procedures. Performance results are subject to variations within industry standards and only intended for estimating purposes.

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