

WINDOW FILM PERFORMANCE DATA | Architectural: Global



Solar Control Window Film

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorbance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter U-value	Shading Coefficient	% Ultraviolet Ray Protection (wavelengths 280-380nm)	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Rejected	Light-to-Solar Heat Gain Ratio (LSG)	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
Clear Glass	83	8	9	90	8	8	1.03	1.00	29	0.84	0.86	14	1.05	0	0	0
Reflective Series	Reflective films feature reflectance on both interiors and exteriors for superior reduction in summer cooling costs and heat retention in winter. Providing a high level of glare and heat control, they are scratch-resistant, shield 99% of UV rays, and are available in earthtones, skytones, silver, and gold to meet your aesthetic goals.															
RN-07G SR PS (One-Way Mirror)	6	53	41	5	60	14	0.91	0.20	99	0.59	0.16	84	0.31	80	12	94
R-15G SR CDF (Gray)	9	33	58	7	13	61	0.94	0.29	99	0.70	0.25	75	0.28	71	9	92
R-20 SR CDF (Silver)	12	54	34	16	62	62	0.94	0.25	99	0.71	0.21	79	0.76	75	9	82
R-35 SR CDF (Silver)	21	43	36	28	46	49	0.96	0.40	99	0.73	0.31	69	0.90	60	7	69
R-50 SR HPR (Silver)	36	29	35	48	28	26	0.97	0.54	99	0.75	0.46	54	1.04	46	6	47
Dual-Reflective Series	Dual-Reflective films are highly reflective on the exterior; lower on the interior, which helps provide clear day and night views. Traditionally specified on commercial buildings, Dual-Reflective films are also popular for sunbelt residential applications. They are scratch-resistant, shield 99% of UV rays, and provide excellent heat rejection.															
DR-15 SR CDF (Warm Gray)	16	37	47	15	37	13	0.92	0.3	99	0.63	0.26	74	0.58	70	11	83
DR-25 SR CDF (Warm Gray)	25	26	49	22	27	13	0.92	0.41	99	0.61	0.35	65	0.63	59	11	76
DR-35 SR CDF (Warm Gray)	35	19	46	36	19	13	0.93	0.52	99	0.61	0.44	56	0.82	48	10	60
EnerLogic® Series	EnerLogic® series films help keep the heat out in the summer, like traditional reflective window film. But in winter, EnerLogic® window film does what reflective film can't do: it helps lock the heat inside. EnerLogic window film offers outstanding optical clarity that's fully compatible with high-efficiency lighting.															
LEP-35 SR CDF (Warm Neutral)	19	49	32	33	48	30	0.60	0.28	99	0.07	0.24	76	1.38	72	42	63
Low-E Series	Low-E films provide superior energy conservation by reducing winter heat loss through windows. They are scratch-resistant, shield 99% of UV rays, and reduce glare. They are suitable for commercial and residential applications where summer and winter energy control are major concerns.															
E-1220 SR CDF (Silver)	8	58	34	12	66	70	0.77	0.18	99	0.36	0.15	85	0.8	82	25	87
LE-35 SR CDF (Silver/Gold)	20	46	34	31	42	39	0.76	0.32	99	0.33	0.27	73	1.15	68	26	66
LE-50 SR CDF (Silver/Gold)	35	32	33	49	25	23	0.80	0.49	99	0.36	0.42	58	1.17	51	23	46
Deluxe Series	Deluxe films are specified for commercial buildings where high levels of heat rejection and glare reduction are needed. Deluxe films are ideal for exterior aesthetics. They are scratch-resistant and reduce 99% of UV rays.															
DL-05G SR CDF (Gray)	14	25	61	6	13	13	0.92	0.35	99	0.62	0.3	70	0.2	65	11	93
DL-15B SR CDF (Bronze)	27	13	60	14	8	8	0.98	0.45	99	0.77	0.39	61	0.36	55	5	84
DL-15G SR CDF (Gray)	26	15	59	16	9	10	0.99	0.45	99	0.78	0.42	58	0.38	55	4	82
DL-30GN SR CDF (Green)	29	20	51	30	17	17	0.98	0.53	99	0.76	0.46	54	0.65	47	5	67
Neutral Series	Neutral films reduce glare, provide good heat rejection and are specified where a soft, neutral appearance is desired. These films are made with sputtered technology. Neutral films are scratch-resistant and shield 99% of UV rays.															
N-1020 SR CDF (Neutral)	21	26	53	24	29	28	1.03	0.44	99	0.84	0.37	63	0.65	56	0	73
N-1040 SR CDF (Neutral)	36	16	48	40	18	15	1.00	0.59	99	0.81	0.50	50	0.80	41	3	56
N-1050 SR CDF (Neutral)	44	13	43	49	14	12	1.03	0.67	99	0.84	0.58	42	0.84	33	0	46
N-1065 SR CDF (Neutral)	65	9	26	67	10	9	1.03	0.82	99	0.84	0.71	29	0.94	18	0	26
N-1020B SR CDF (Bronze)	12	49	39	20	37	35	0.93	0.27	99	0.69	0.23	77	0.87	73	10	78
N-1035B SR CDF (Bronze)	25	37	38	37	25	23	0.94	0.41	99	0.71	0.36	64	1.03	59	9	59
Exterior Series	Exterior Series products are applied to the exterior face of the glazing and provide excellent heat rejection performance.															
NHE-20 ER HPR (Exterior Neutral)	22	23	55	25	24	27	1.04	0.45	99.9	0.84	0.38	62	0.66	55	-1	72
NHE-35 ER HPR (Exterior Neutral)	33	18	49	38	15	19	1.04	0.56	99.9	0.83	0.48	52	0.79	44	-1	58
RHE-20 ER HPR (Exterior Silver)	10	65	25	14	61	65	1.04	0.20	99.9	0.70	0.17	83	0.82	80	-1	84
RHE-35 ER HPR (Exterior Silver)	18	54	28	25	48	52	1.04	0.30	99.9	0.68	0.26	74	0.96	70	-1	72
RHE-50 ER HPR (Exterior Silver)	33	34	33	45	28	30	1.04	0.50	99.9	0.69	0.43	57	1.05	50	-1	50
Specialty Series	AU-85UV SR HPR is the ideal solution for protecting valuables from sun damage. It provides the highest protection against harmful ultraviolet rays without altering glass aesthetics. AIR-80BL SR HPR is used where a combination of extremely low visible reflectance, high light transmission, and substantial reduction in solar infrared transmission is needed.															
AIR-80BL SR HPR (Clear)	48	7	45	79	9	9	0.99	0.71	99	0.75	0.61	39	1.30	29	4	12
AU-85UV SR HPR (UVCL-Clear)	81	9	10	89	9	9	1.03	0.97	99.9	0.83	0.84	16	1.06	3	0	1