

Solar Control Window Film

	% Total Solar Transmittance	% Total Solar Reflection	% Total Solar Absorptance	% Visible Light Transmittance	% Visible Reflection (exterior)	% Visible Reflection (interior)	Winter U-value	Shading Coefficient	% Ultraviolet Ray Protection (wavelengths 300-380nm)	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****	% IR Energy Rejection (IRER)**	% Selective IR Rejection (SIRR)***	
Clear Glass	83	8	9	90	8	8	1.04	0.99	29	0.84	0.86	14	1.05	0	0	0	17%	21%	
Spectrally-Selective Series	Spectrally-Selective films offer excellent heat rejection and energy savings with a virtually invisible appearance. They're made using innovative technology that selectively blocks infrared rays more than visible light. Ideal for storefronts, commercial buildings and homes that need minimal light control and maximum heat rejection. Choose Performance products for exceptional heat-blocking properties and a range of shades.																		
SpectraSelect Performance VS20 SR CDF*	14	53	33	23	46	35	0.86	0.25	>99	0.52	0.22	78	1.05	74	17	75	85	93	
SpectraSelect Performance VS30 SR CDF*	17	52	31	29	44	38	0.87	0.28	>99	0.53	0.25	75	1.16	71	16	68	84	92	
SpectraSelect Performance VS50 SR CDF*	31	42	27	51	30	24	0.87	0.44	>99	0.54	0.38	62	1.34	56	16	43	76	83	
SpectraSelect VS60 SR CDF	35	28	37	66	10	10	0.88	0.52	>99	0.55	0.45	55	1.47	48	15	27	77	87	
SpectraSelect VS61 SR CDF	44	31	25	61	23	22	0.93	0.58	>99	0.64	0.50	50	1.22	42	11	32	60	67	
SpectraSelect VS70 SR CDF	38	27	35	70	8	8	0.88	0.54	>99	0.55	0.47	53	1.49	45	15	22	75	84	
Harmony Series	Harmony films utilize metals and ceramic layers designed to provide excellent heat rejection and moderate glare control with extremely low interior and exterior reflectivity. Excellent for both homes and storefronts, these products were designed for areas with excessive heat and glare problems.																		
Harmony Terre V31 SR CDF	19	22	59	35	6	8	0.89	0.40	>99	0.57	0.35	65	1.00	59	14	61	77	91	
Harmony Terre V41 SR CDF	29	22	49	46	7	7	0.90	0.48	>99	0.59	0.42	58	1.10	51	13	49	70	83	
Harmony Terre V51 SR CDF	32	24	44	54	8	7	0.90	0.50	>99	0.58	0.43	57	1.26	50	13	40	73	85	
Dual-Reflective Series	Dual-Reflective films offer excellent energy savings through lower interior reflectivity and higher exterior reflectivity allowing for excellent views to the outside both day and night. Dual-Reflective films are suggested for residential and commercial applications where heat and glare are the primary concerns.																		
Ultima V14 SR CDF	7	51	42	10	55	24	1.02	0.23	>99	0.80	0.20	80	0.50	77	2	89	82	94	
Celeste V18 SR CDF	15	39	46	20	40	21	1.02	0.33	>99	0.80	0.29	71	0.69	66	2	78	75	89	
Luminance V28 SR CDF	23	33	44	30	33	21	1.01	0.41	>99	0.77	0.36	64	0.83	58	3	67	68	81	
Mirage V38 SR CDF	30	26	44	39	26	17	1.01	0.49	>99	0.78	0.43	57	0.91	50	3	57	61	75	
Nuance V48 SR CDF	39	15	46	46	16	11	1.04	0.60	>99	0.84	0.53	47	0.87	38	0	49	52	67	
Sunrise Bronze V33BR SR CDF	25	43	32	39	25	18	0.95	0.39	>99	0.67	0.34	66	1.15	60	9	57	77	84	
Neutral Series	Neutral series films reject heat and save energy with reduced interior and exterior reflectivity. They provide a very uniform light transmission without any strong color tone. These films are clear favorites for residential and commercial applications including showrooms and high-visibility display windows.																		
Soft Horizons V33 SR CDF	31	19	50	34	21	18	1.05	0.53	>99	0.86	0.46	54	0.74	47	-1	62	54	70	
Dayview V45 SR CDF	42	14	44	46	15	13	1.07	0.64	>99	0.89	0.55	45	0.84	36	-3	49	44	59	
Crystal Elegance V58 SR CDF	55	10	35	60	11	9	1.07	0.76	>99	0.90	0.66	34	0.91	23	-3	33	32	42	
Low-E Series	Low-E (low emissivity) films provide an insulating barrier to windows that improves year-round energy efficiency by helping retain heat in winter and helping keep the heat out in summer. Low Emissivity films are perfect for residential and commercial applications where energy conservation is of primary importance.																		
Ambiance VE35 SR CDF	17	45	38	26	39	41	0.74	0.29	>99	0.31	0.25	75	1.04	71	29	71	81	89	
Radiance VE50 SR CDF	37	30	33	51	22	24	0.81	0.51	>99	0.41	0.45	55	1.13	48	22	43	64	72	
Atmosphere Exterior Series	Atmosphere series films are applied to the exterior face of the glazing and provide excellent heat rejection performance.																		
Atmosphere VX A14 ER HPR	7	60	33	10	59	25	1.04	0.20	>99	0.74	0.17	83	0.59	80	0	89	86	95	
Atmosphere RX A20 ER HPR	12	63	25	16	62	59	1.04	0.22	>99	0.71	0.20	80	0.80	77	0	82	85	91	
Atmosphere RX A35 ER HPR	21	50	29	29	48	45	1.04	0.35	>99	0.72	0.30	70	0.97	65	0	68	76	84	
Atmosphere RX A50 ER HPR	38	30	32	49	26	24	1.04	0.55	>99	0.79	0.48	52	1.02	44	0	46	60	70	
Atmosphere NX A20 ER HPR	21	29	50	23	30	26	1.04	0.42	>99	0.86	0.36	64	0.64	58	0	74	65	80	
Atmosphere NX A35 ER HPR	34	18	48	38	19	16	1.04	0.56	>99	0.86	0.49	51	0.78	43	0	58	53	68	
Atmosphere TX A80 ER HPR	41	6	53	78	9	9	1.04	0.66	>99	0.89	0.57	43	1.37	34	0	13	60	85	
Atmosphere SX A CL ER PS4	82	8	10	89	9	9	1.04	0.97	>99	0.90	0.85	15	1.05	1	0	1	16	20	
Atmosphere SX A CL ER PS7	81	8	11	89	9	9	1.04	0.97	>99	0.90	0.84	16	1.06	2	0	1	17	20	
Safety & Security Series	Safety & Security films are made with heavy-duty polyester bonded by one of the industry's strongest adhesives to provide a powerful barrier that helps hold glass in place should impact occur. Safety & Security films are ideal for residential and commercial applications where there is the potential for glass breakage.																		
Luminance Safety V28 SR PS4	23	32	45	29	32	20	1.05	0.43	>99	0.86	0.37	63	0.78	57	0	68	66	80	
Luminance Safety V28 SR PS8	21	34	45	27	35	21	1.06	0.41	>99	0.88	0.35	65	0.77	59	-2	70	67	82	
Mirage Safety V38 SR PS8	31	25	44	38	25	18	1.05	0.51	>99	0.88	0.45	55	0.84	48	-1	58	59	73	

