

1/8"
(3mm)
Single pane clear

Product description	SOLAR ENERGY			VISIBLE LIGHT				Winter U-Factor (Btu hr/ft ² °F)	Shading coefficient	Solar heat gain coefficient	Solar selectivity index- luminous efficacy (VLT/SC)	Light to solar heat gain factor (VLT/SHGC)	% Ultraviolet light blocked (300 to 380 nanometers)	% Total solar energy rejected	% Summer solar heat gain reduction	% Glare reduction
	% Transmittance	% Absorptance	% Reflectance	% Transmittance	% Reflectance exterior	% Reflectance interior	Emissivity									
Clear glass	83	10	8	90	9	9	.84	1.04	1.00	.86	.92	1.05	27	15	0	0
SPECTRALLY SELECTIVE FILMS – clear dry adhesive																
Hillite 70	37	28	35	72	9	9	.77	1.00	.52	.45	1.39	1.62	>99	55	48	20
Sterling 70	56	27	17	69	13	13	.75	.99	.74	.64	.94	1.09	>99	36	26	23
Sterling 60	49	28	23	63	17	16	.78	1.02	.65	.56	.97	1.12	>99	44	35	30
Sterling 50	35	33	32	49	26	24	.69	.96	.51	.44	.97	1.13	>99	56	49	45
Sterling 40	28	34	39	41	33	30	.68	.95	.43	.37	.96	1.12	>99	63	57	54
Sterling 20	15	37	49	23	45	42	.67	.95	.29	.24	.78	.92	>99	76	71	75
DUAL REFLECTIVE FILMS – clear dry adhesive																
Slate 50	36	39	25	47	25	24	.76	1.00	.54	.47	.88	1.01	>99	53	46	47
Slate 40	34	43	23	44	18	12	.81	1.02	.54	.47	.82	.95	>99	53	46	51
Slate 30	23	48	30	30	24	14	.84	1.04	.43	.37	.70	.81	>99	63	57	67
Slate 20	16	47	37	23	31	17	.84	1.04	.35	.30	.65	.76	>99	70	65	75
Slate 10	8	44	48	12	44	21	.82	1.03	.24	.21	.49	.57	>99	79	76	87
Autumn Bronze 30	23	40	38	34	23	16	.77	1.00	.39	.34	.87	1.00	>99	66	61	62
SAFETY FILMS – pressure sensitive adhesive																
8 Mil Hillite 70	38	30	32	72	10	10	.79	1.02	.54	.47	1.34	1.55	>99	53	46	20
4 Mil Sterling 60	46	28	26	62	20	19	.72	.98	.62	.53	1.00	1.16	>99	47	38	31
4 Mil Slate 40	35	42	23	45	17	14	.78	1.01	.55	.47	.82	.96	>99	53	45	50
8 Mil Slate 40	35	42	23	45	17	14	.78	1.01	.55	.47	.82	.96	>99	53	45	50
SA4	79	13	8	89	9	9	.90	1.07	.96	.83	.93	1.07	>99	17	4	1
SA8	75	14	11	84	13	12	.88	1.06	.91	.79	.93	1.07	>99	21	9	6

SC = Shading coefficient SHGC = Solar heat gain coefficient VLT = Visible light transmission
 TOTAL SOLAR ENERGY REJECTED = Amount of solar energy reflected by glass

- Performance results were generated using LBNL Window 5.2, and calculated and reported in accordance with ASTM, ASHRAE and AIMCAL standards. Performance results are subject to variations within industry standards.
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- Performance results for summer solar heat gain reduction and glare reduction are calculated by comparing filmed glass to that of untreated glazing.

1/4"
(6mm)
Single pane clear

Product description	SOLAR ENERGY			VISIBLE LIGHT			Emissivity	Winter U-Factor (Btu hr/ft ² °F)	Shading coefficient	Solar heat gain coefficient	Solar selectivity index- luminous efficacy (VLT/SC)	Light to solar heat gain factor (VLT/SHGC)	% Ultraviolet light blocked (300 to 380 nanometers)	% Total solar energy rejected	% Summer solar heat gain reduction	% Glare reduction
	% Transmittance	% Absorptance	% Reflectance	% Transmittance	% Reflectance exterior	% Reflectance interior										
Clear glass	77	16	7	89	9	9	.84	1.02	.94	.82	.94	1.09	34	18	0	0
SPECTRALLY SELECTIVE FILMS – clear dry adhesive																
Hillite 70	35	36	29	71	9	9	.77	.99	.53	.45	1.34	1.57	>99	55	44	20
Sterling 70	52	33	15	68	13	12	.75	.97	.71	.62	.96	1.11	>99	38	24	23
Sterling 60	45	34	20	62	17	16	.78	.99	.64	.55	.97	1.13	>99	45	32	30
Sterling 50	33	40	28	49	25	24	.69	.94	.51	.44	.95	1.11	>99	56	46	45
Sterling 40	26	41	33	41	32	30	.68	.94	.43	.37	.94	1.09	>99	63	54	54
Sterling 20	14	45	42	22	44	42	.67	.93	.30	.26	.74	.85	>99	74	68	75
DUAL REFLECTIVE FILMS – clear dry adhesive																
Slate 50	34	45	22	47	24	24	.76	.98	.54	.46	.86	1.01	>99	54	43	47
Slate 40	32	48	20	44	17	12	.81	1.00	.54	.46	.81	.94	>99	54	43	51
Slate 30	21	54	25	29	23	14	.84	1.02	.43	.37	.68	.79	>99	63	54	67
Slate 20	15	53	32	22	30	17	.84	1.02	.37	.31	.61	.72	>99	69	61	75
Slate 10	8	51	41	12	43	21	.82	1.01	.27	.23	.43	.50	>99	77	71	87
Autumn Bronze 30	21	47	32	33	23	16	.77	.99	.40	.35	.83	.96	>99	65	57	62
SAFETY FILMS – pressure sensitive adhesive																
8 Mil Hillite 70	37	37	26	71	9	10	.79	.99	.55	.47	1.30	1.51	>99	53	41	20
4 Mil Sterling 60	43	35	22	61	19	18	.72	.96	.61	.52	1.00	1.16	>99	48	35	31
4 Mil Slate 40	33	48	19	44	17	15	.78	.98	.54	.47	.82	.95	>99	53	43	50
8 Mil Slate 40	33	48	19	44	17	15	.78	.98	.54	.47	.82	.95	>99	53	43	50
SA4	73	19	8	87	9	9	.90	1.05	.91	.79	.96	1.11	>99	21	3	1
SA8	69	21	10	83	13	12	.88	1.03	.87	.75	.95	1.10	>99	25	7	7

SC = Shading coefficient SHGC = Solar heat gain coefficient VLT = Visible light transmission
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- Performance results for summer solar heat gain reduction and glare reduction are calculated by comparing filmed glass to that of untreated glazing.

1/8" + 1/8"
(3mm + 3mm)
Double pane clear with
1/2" (12mm) air space

Product description	SOLAR ENERGY			VISIBLE LIGHT			Emissivity	Winter U-Factor (Btu hr/ft ² °F)	Shading coefficient	Solar heat gain coefficient	Solar selectivity index- luminous efficacy (VLT/SC)	Light to solar heat gain factor (VLT/SHGC)	% Ultraviolet light blocked (300 to 380 nanometers)	% Total solar energy rejected	% Summer solar heat gain reduction	% Glare reduction
	% Transmittance	% Absorptance	% Reflectance	% Transmittance	% Reflectance exterior	% Reflectance interior										
Clear glass	69	18	13	81	16	16	.84	.48	.87	.75	.93	1.08	41.5	25	0	0
SPECTRALLY SELECTIVE FILMS – clear dry adhesive																
Hillite 70	32	37	31	65	16	13	.77	.47	.56	.49	1.17	1.35	>99	51	36	20
Sterling 70	48	33	19	63	19	17	.75	.47	.73	.63	.86	1.01	>99	37	16	22
Sterling 60	41	35	24	58	22	19	.78	.47	.66	.57	.87	1.01	>99	43	24	29
Sterling 50	30	40	30	45	30	26	.69	.46	.56	.48	.81	.94	>99	52	36	44
Sterling 40	24	41	35	38	36	31	.68	.46	.50	.43	.76	.89	>99	57	43	53
Sterling 20	13	45	42	21	47	43	.67	.47	.39	.34	.54	.62	>99	66	55	74
DUAL REFLECTIVE FILMS – clear dry adhesive																
Slate 50	31	44	25	44	29	26	.76	.47	.61	.52	.71	.83	>99	48	30	46
Slate 40	29	47	23	41	23	13	.81	.48	.62	.53	.65	.76	>99	47	29	50
Slate 30	19	53	28	27	28	15	.84	.48	.54	.47	.51	.59	>99	53	38	66
Slate 20	14	53	33	21	34	17	.84	.48	.48	.41	.44	.52	>99	59	45	74
Slate 10	7	51	42	11	46	21	.82	.48	.38	.33	.29	.34	>99	67	56	87
Autumn Bronze 30	20	47	34	31	27	17	.77	.47	.49	.42	.63	.73	>99	58	44	62
SAFETY FILMS – pressure sensitive adhesive																
8 Mil Hillite 70	33	39	28	65	16	14	.79	.47	.59	.51	1.11	1.29	>99	49	32	20
4 Mil Sterling 60	39	35	26	57	25	22	.72	.46	.64	.55	.88	1.03	>99	45	23	30
4 Mil Slate 40	30	49	22	41	22	14	.78	.45	.62	.53	.67	.77	>99	47	26	49
8 Mil Slate 40	30	49	22	41	22	15	.78	.45	.62	.53	.67	.77	>99	47	26	49
SA4	66	20	13	81	16	16	.90	.49	.86	.74	.94	1.08	>99	26	1	1
SA8	63	22	16	77	19	19	.88	.49	.82	.71	.93	1.07	>99	29	5	6

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1/4" + 1/4"
(6mm + 6mm)
Double pane clear with
1/2" (12mm) air space

Product description	SOLAR ENERGY			VISIBLE LIGHT				Winter U-Factor (Btu hr/ft ² °F)	Shading coefficient	Solar heat gain coefficient	Solar selectivity index- luminous efficacy (VLT/SC)	Light to solar heat gain factor (VLT/SHGC)	% Ultraviolet light blocked (300 to 380 nanometers)	% Total solar energy rejected	% Summer solar heat gain reduction	% Glare reduction
	% Transmittance	% Absorptance	% Reflectance	% Transmittance	% Reflectance exterior	% Reflectance interior	Emissivity									
Clear glass	61	28	12	79	15	15	.84	.47	.81	.70	.98	1.13	49.9	30	0	0
SPECTRALLY SELECTIVE FILMS – clear dry adhesive																
Hillite 70	30	47	23	64	15	13	.77	.46	.57	.49	1.11	1.29	>99	51	30	20
Sterling 70	42	42	16	61	18	16	.75	.46	.69	.60	.89	1.03	>99	40	15	23
Sterling 60	37	44	19	56	22	19	.78	.46	.64	.55	.88	1.01	>99	45	21	29
Sterling 50	27	49	24	44	29	26	.69	.45	.56	.48	.78	.92	>99	52	31	45
Sterling 40	22	51	27	37	34	31	.68	.45	.50	.43	.74	.85	>99	57	38	53
Sterling 20	12	55	33	20	44	43	.67	.45	.41	.35	.50	.58	>99	65	49	74
DUAL REFLECTIVE FILMS – clear dry adhesive																
Slate 50	27	52	21	42	28	26	.76	.46	.59	.51	.72	.83	>99	49	27	47
Slate 40	26	55	19	39	22	13	.81	.47	.60	.52	.65	.76	>99	48	26	50
Slate 30	17	60	23	27	27	15	.84	.47	.54	.46	.49	.57	>99	54	33	66
Slate 20	13	61	27	20	33	17	.84	.47	.49	.42	.42	.49	>99	58	40	74
Slate 10	6	61	33	11	43	21	.82	.47	.41	.35	.26	.30	>99	65	49	87
Autumn Bronze 30	17	57	26	30	27	17	.77	.46	.50	.43	.60	.70	>99	57	38	62
SAFETY FILMS – pressure sensitive adhesive																
8 Mil Hillite 70	31	48	22	64	16	14	.79	.46	.59	.51	1.07	1.25	>99	49	27	20
4 Mil Sterling 60	35	45	21	55	24	22	.72	.46	.62	.53	.88	1.03	>99	47	23	31
4 Mil Slate 40	26	55	19	40	22	15	.78	.46	.60	.52	.66	.77	>99	48	26	50
8 Mil Slate 40	26	55	19	40	22	15	.78	.46	.60	.52	.66	.77	>99	48	26	50
SA4	58	30	12	78	16	16	.90	.48	.80	.69	.97	1.13	>99	31	1	2
SA8	55	32	14	74	19	18	.88	.48	.77	.67	.96	1.11	>99	33	5	6

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