

Insulating Glass Performance Data

Reflective or Tint Float Glass Outer Lite and Clear Float Glass Inner Lite

Products	Visible Light		Total Solar Energy		UV	U-Value		Shading Coefficient	Solar Heat Gain
	Transmittance %	Reflectance %	Transmittance %	Reflectance %	Transmittance %	Summer (Day)	Winter (Night)		
Clear	78	15	61	12	47	.50	.47	.81	.70
Bronze	48	8	39	7	19	.50	.47	.59	.51
Solexia	69	12	39	8	25	.50	.47	.57	.50
Blue-Green	67	12	40	8	26	.50	.47	.59	.51
Evergreen	59	10	28	6	12	.50	.47	.47	.40
Blue	50	8	38	7	26	.50	.47	.57	.49
Blue 2000	38	7	25	6	11	.50	.47	.44	.38
Grey	39	7	33	7	19	.50	.47	.52	.46
Greylite	12	5	20	5	6	.50	.47	.39	.34
Super Grey	8	4	6	4	1	.50	.47	.25	.21
Activ	74	21	59	16	34	.50	.47	.78	.68
Arctic Blue	50	9	29	6	19	.50	.47	.48	.41
Azuria	61	10	27	7	33	.50	.47	.45	.39
Caribia	60	10	28	6	19	.50	.47	.46	.39
Atlantica (Solar Green)	60	11	29	6	13	.50	.47	.47	.41
Clear Eclipse Advantage (1)	60	32	46	25	24	.48	.47	.64	.55
Clear Eclipse Advantage (2)	60	30	46	21	24	.35	.35	.63	.55
Artic Blue Eclipse Advantage (1)	35	.28	19	22	8	.48	.47	.37	.32
Artic Blue Eclipse Advantage (2)	35	13	19	9	9	.35	.35	.33	.29
Blue-Green Eclipse Advantage (1)	51	29	29	22	13	.48	.47	.46	.40
Blue-Green Eclipse Advantage (2)	51	21	29	12	13	.35	.35	.44	.38
Bronze Eclipse Advantage (1)	34	28	28	22	9	.48	.47	.46	.39
Bronze Eclipse Advantage (2)	34	13	28	11	9	.35	.35	.44	.38
Evergreen Eclipse Advantage (1)	43	29	20	22	6	.48	.47	.37	.32
Evergreen Eclipse Advantage (2)	43	17	20	9	6	.35	.35	.34	.29
Grey Eclipse Advantage (1)	28	28	23	22	8	.48	.47	.41	.35
Grey Eclipse Advantage (2)	29	10	23	9	9	.35	.35	.39	.33
Solarcool Azuria (1)	23	37	11	30	10	.50	.47	.25	.21
Solarcool Azuria (2)	24	20	12	10	10	.50	.47	.29	.25
Solarcool Caribia (1)	23	37	12	30	6	.50	.47	.25	.22
Solarcool Caribia (2)	23	19	12	9	6	.50	.47	.30	.25
Solarcool Bronze (1)	18	37	21	31	6	.50	.47	.36	.31
Solarcool Bronze (2)	19	14	21	12	6	.50	.47	.40	.34
Solarcool Grey (1)	15	36	18	30	6	.50	.47	.32	.27
Solarcool Grey (2)	16	11	18	10	6	.50	.47	.36	.31
Solarcool Solexia (1)	27	37	18	30	7	.50	.47	.32	.28
Solarcool Solexia (2)	27	24	19	12	7	.50	.47	.36	.31
Solarcool Greylite (1)	5	36	12	30	2	.50	.47	.26	.22
Solarcool Greylite (2)	5	5	12	6	2	.50	.47	.31	.27
Green RC (1)	27	36	19	28	6	.50	.47	.33	.29
Green RC (2)	27	20	19	11	6	.50	.47	.37	.32
Blue RC (1)	17	38	17	32	7	.50	.47	.31	.27
Blue RC (2)	17	14	17	10	7	.50	.47	.36	.31
Green 2000 Reflective (1)	23	35	12	28	3	.50	.47	.26	.23
Green 2000 Reflective (2)	23	16	13	8	3	.50	.47	.30	.26
Blue 2000 Reflective (1)	15	35	12	28	3	.50	.47	.27	.23
Blue 2000 Reflective (2)	15	9	13	7	3	.50	.47	.31	.26



- All Performance values were calculated using the LBNL Window 5.2 V5.2.17 and are center-of-glass values.
- Some combinations and/or installations may require heat treating to prevent glass breakage due to thermal stress.
- Transmittance-Percentage of visible light or solar energy which passes directly through the glazing.
- Reflectance-Percentage of visible light or solar energy that is reflected from the glazing.
- U-Value-(Btu/hr/ft²/F°)-The measure of heat gain or loss through the glazing due to the environmental differences between indoor and outdoor air. Winter U-Values are based on an outdoor temperature of 0°F, an indoor temperature of 70°F, a 15 mph wind speed, and no sun. Summer U-Values are based on an outdoor temperature of 89°F, an indoor temperature of 75°F, a solar intensity of 248 Btu/hr/ft² and a 7 1/2 mph wind speed. To calculate metric U-Values multiply by 5.678.
- Solar Heat Gain coefficient (SHGC)-The ratio of the total solar heat gain through the glass relative to the incident solar radiation. The solar heat gain includes both the solar energy directly transmitted through the glass and the solar energy absorbed by the glass and convected and/or thermally radiated inward.
- Shading Coefficient (SC)-The ratio of solar heat gain through the glass relative to that through 1/8" clear glass at normal incidence.
- All calculations based on 1/4" glass and 1/2" airspace unless otherwise noted.
- This is only a partial list. Should you need additional product information, assistance with wind load or thermal stress calculations, or any other information related to this information, please contact Solar Seal directly.

Solar Seal Company
55 Bristol Drive
South Easton, MA 02375
Phone: 1-800-225-0430
Fax: 1-508-238-0103
www.solarseal.com