SOLAR SEAL COMPANY

Insulating Glass Performance Data

Reflective or Tint Float Glass Outer Lite and SolarBan 60 Float Glass Inner Lite

Products	Visible Light		Total Solar Energy		UV	U-Value				Shading Coeffi-cient	Solar Heat Gain
						Summer (Day)		Winter (Night)			
	Trans-mittance %	Reflect-ance %	Trans-mittance %	Reflect-ance %	Trans-mittance %	Air	Argon	Air	Argon		
Clear	69	13	33	30	14	.28	.22	.29	.25	.44	.37
Bronze	42	7	21	16	6	.28	.22	.29	.25	.37	.32
Solexia	60	11	25	11	8	.28	.22	.29	.25	.42	.37
Blue-Green	59	10	25	12	9	.28	.22	.29	.25	.43	.37
Evergreen	52	9	20	7	4	.28	.22	.29	.25	.35	.30
Blue	44	8	21	13	9	.28	.22	.29	.25	.38	.33
Blue 2000	33	6	15	7	4	.28	.22	.29	.25	.30	.26
Grey	34	6	17	12	6	.28	.22	.29	.25	.33	.29
Greylite	11	5	9	8	2	.28	.22	.29	.25	.21	.18
Super Grey	7	4	3	4	< 1	.28	.22	.29	.25	.14	.12
Activ	64	19	31	36	11	.28	.22	.29	.25	.50	.43
Arctic Blue	44	8	19	8	6	.28	.22	.29	.25	.34	.30
Azuria	53	9	20	7	10	.28	.22	.29	.25	.36	.31
Caribia	53	9	20	7	7	.28	.22	.29	.25	.35	.31
Atlantica (Solar Green)	52	9	20	7	4	.28	.22	.29	.25	.35	.31
Clear Eclipse Advantage (1)	52	31	25	36	8	.27	.22	.29	.25	.43	.37
Clear Eclipse Advantage (2)	52	28	25	33	8	.27	.22	.29	.25	.43	.37
Artic Blue Eclipse Advantage (1)	30	28	13	23	3	.27	.22	.29	.25	.26	.23
Artic Blue Eclipse Advantage (2)	30	13	13	9	3	.27	.22	.29	.25	.27	.23
Blue-Green Eclipse Advantage (1)	29	34	19	24	4	.27	.22	.29	.25	.34	.29
Blue-Green Eclipse Advantage (2)	44	21	19	14	4	.27	.22	.29	.25	.34	.29
Bronze Eclipse Advantage (1)	29	27	15	26	3	.27	.22	.29	.25	.29	.25
Bronze Eclipse Advantage (2)	30	12	15	15	3	.27	.22	.29	.25	.30	.26
Evergreen Eclipse Advantage (1)	37	29	14	23	2	.27	.22	.29	.25	.28	.24
Evergreen Eclipse Advantage (2)	38	17	14	9	2	.27	.22	.29	.25	.28	.24
Grey Eclipse Advantage (1)	25	27	13	25	3	.27	.22	.29	.25	.27	.23
Grey Eclipse Advantage (2)	25	10	13	12	3	.27	.22	.29	.25	.27	.23
Solarcool Azuria (1)	20	37	8	30	3	.28	.22	.29	.25	.17	.15
Solarcool Azuria (2)	21	19	8	10	3	.28	.22	.29	.25	.19	.17
Solarcool Caribia (1)	20	37	8	31	2	.28	.22	.29	.25	.17	.15
Solarcool Caribia (2)	20	19	8	10	2	.28	.22	.29	.25	.19	.17
Solarcool Bronze (1)	16	37	8	36	2	.28	.22	.29	.25	.19	.16
Solarcool Bronze (2)	16	14	9	18	2	.28	.22	.29	.25	.21	.18
Solarcool Grey (1)	13	36	7	34	2	.28	.22	.29	.25	.17	.15
Solarcool Grey (2)	13	11	7	14	2	.28	.22	.29	.25	.20	.17
Solarcool Solexia (1)	23	37	10	33	2	.28	.22	.29	.25	.20	.17
Solarcool Solexia (2)	23	24	10	15	2	.28	.22	.29	.25	.22	.19
Solarcool Greylite (1)	4	36	3	33	<1	.28	.22	.29	.25	.12	.10
Solarcool Greylite (2)	4	5	4	10	<1	.28	.22	.29	.25	.15	.13
Green RC (1)	23	36	10	30	2	.28	.22	.29	.25	.21	.18
Green RC (2)	23	20	10	13	2	.28	.22	.29	.25	.23	.20
Blue RC (1)	15	38	7	35	2	.28	.22	.29	.25	.17	.15
Blue RC (2)	15	14	8	15	2	.28	.22	.29	.25	.20	.17
Green 2000 Reflective (1)	13	35	6	29	1	.28	.22	.29	.25	.16	.13
Green 2000 Reflective (2)	13	9	6	9	1	.28	.22	.29	.25	.18	.16
Blue 2000 Reflective (1)	13	35	6	29	1	.28	.22	.29	.25	.16	.13
Blue 2000 Reflective (2)	13	9	6	9	1	.28	.22	.29	.25	.18	.16

1. All Performance values were calculated using the LBNL Window 5.2 V5.2.17 and are center-of-glass values.

2. Some combinations and/or installations may require heat treating to prevent glass breakage due to thermal stress.

3. Transmittance-Percentage of visible light or solar energy which passes directly through the glazing.

4. Reflectance-Percentage of visible light or solar energy that is reflected from the glazing.

5. U-Value-(Btu/hr/ft^2/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/ft^2 and a 7 ½ mph wind speed. To calculate metric U-Values multiply by 5.678.

6. 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.

7. Shading Coefficient (SC)-The ratio of solar heat gain through the glass relative to that through 1/8" clear glass at normal incidence.

8. All calculations based on 1/4" glass and 1/2" airspace unless otherwise noted.

9. Argon values are based on a 90% argon, 10% air mix.

10. 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