

<b>International Window 7223 1" Insulating Glass Unit Performance</b>												
<b>Awning w/Steel Spacer</b>												
	<b>U-Factors</b>						<b>SHGC</b>			<b>Visible Light</b>		
	Air fill	With Argon	Sculptured Grid	Sculptured Grid with Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid with Argon		Sculptured Grid	1/8" x 3/4" Grid		Sculptured Grid	1/8" x 3/4" Grid
DS clear/ DS clear	0.58	0.57	0.58	0.57	0.58	0.57	0.51	0.46	0.46	0.53	0.48	0.48
3/16 clear/ 3/16 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.49	0.45	0.45	0.52	0.47	0.47
1/4 clear/ 1/4 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.48	0.43	0.43	0.51	0.46	0.46
DS EnergyShield™/ DS clear	0.47	0.44	0.47	0.44	0.47	0.44	0.27	0.24	0.24	0.45	0.41	0.41
3/16 EnergyShield™/ 3/16 clear	0.46	0.43	0.46	0.43	0.46	0.43	0.26	0.24	0.24	0.45	0.40	0.40
1/4 EnergyShield™/ 1/4 clear	0.46	0.43	0.46	0.43	0.46	0.43	0.26	0.24	0.24	0.44	0.40	0.40
DS EnergyShield Xtreme™/ DS clear	0.47	0.44	0.47	0.44	0.47	0.44	0.20	0.18	0.18	0.40	0.36	0.36
3/16 EnergyShield Xtreme™/ 3/16 clear	0.46	0.43	0.46	0.43	0.46	0.43	0.20	0.18	0.18	0.40	0.36	0.36
1/4 EnergyShield Xtreme™/ 1/4 clear	0.46	0.43	0.46	0.43	0.46	0.43	0.20	0.19	0.19	0.39	0.35	0.35
DS bronze/ DS clear	0.58	0.57	0.58	0.57	0.58	0.57	0.42	0.38	0.38	0.39	0.35	0.35
3/16 bronze/ 3/16 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.38	0.34	0.34	0.34	0.31	0.31
1/4 bronze/ 1/4 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.35	0.32	0.32	0.31	0.28	0.28
1/4 Solarcool/ 1/4 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.22	0.20	0.20	0.12	0.11	0.11
3/16 grey/ 3/16 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.34	0.31	0.31	0.29	0.26	0.26
1/4 grey/ 1/4 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.32	0.29	0.29	0.26	0.23	0.23
DS greyite # 31/ DS clear	0.58	0.57	0.58	0.57	0.58	0.57	0.22	0.21	0.21	0.14	0.13	0.13
DS Azuria/ DS clear	0.58	0.57	0.58	0.57	0.58	0.57	0.33	0.30	0.30	0.45	0.41	0.41
3/16 Azuria/ 3/16 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.29	0.27	0.27	0.42	0.38	0.38
1/4 Azuria/ 1/4 clear	0.58	0.56	0.58	0.56	0.58	0.56	0.27	0.25	0.25	0.40	0.36	0.36
DS bronze/ DS EnergyShield™	0.47	0.44	0.47	0.44	0.47	0.44	0.27	0.24	0.24	0.34	0.30	0.30
3/16 bronze/ 3/16 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.24	0.22	0.22	0.29	0.26	0.26
1/4 bronze/ 1/4 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.23	0.21	0.21	0.27	0.24	0.24
3/16 grey/ 3/16 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.22	0.20	0.20	0.25	0.23	0.23
1/4 grey/ 1/4 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.21	0.19	0.19	0.22	0.20	0.20
DS Azuria/ DS EnergyShield™	0.47	0.44	0.47	0.44	0.47	0.44	0.25	0.23	0.23	0.39	0.35	0.35
3/16 Azuria/ 3/16 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.23	0.21	0.21	0.36	0.32	0.32
1/4 Azuria/ 1/4 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.22	0.20	0.20	0.34	0.31	0.31
1/4 Solexia/ 1/4 EnergyShield™	0.46	0.43	0.46	0.43	0.46	0.43	0.26	0.24	0.24	0.39	0.35	0.35
DS EnergyShield Xtreme™/ DS ILE	0.43	0.41	0.43	0.41	0.43	0.41	0.19	0.18	0.18	0.39	0.35	0.35
3/16 EnergyShield Xtreme™/ 3/16 ILE	0.43	0.41	0.43	0.41	0.43	0.41	0.19	0.18	0.18	0.39	0.35	0.35
1/4 EnergyShield Xtreme™/ 1/4 ILE	0.43	0.40	0.43	0.40	0.43	0.40	0.20	0.18	0.18	0.38	0.34	0.34

U-Value is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.\*ft<sup>2</sup>\*°F. Lower U-Values indicate better performance. Winter nighttime U-Values are calculated using an outdoor air temperature of 0°F and indoor air temperature of 70°F.

Solar Heat Gain Coefficient is defined that fraction of incident solar radiation that actually enters a building through the window as heat gain. The SHGC is expressed as a dimensionless number from 0 to 1.0 A high coefficient signifies high heat gain, while a low number means low heat gain.

Visible Transmittance is the amount of light in the visible portion of the spectrum that passes through a glazing material. This property does not directly affect heating and cooling loads in a building.

Clear glass - includes all non-tinted pattern glass, i.e. Obscure, Rain, Delta Frost  
 EnergyShield™ spectrally selective Low-E with emissivity 0.036  
 EnergyShield Xtreme™ spectrally selective Low-E with emissivity 0.024

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	Air fill	With Argon	Sculptured Grid	Sculptured Grid with Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid with Argon		Sculptured Grid	1/8" x 3/4" Grid		Sculptured Grid	1/8" x 3/4" Grid
DS clear/ DS clear	0.57	0.55	0.57	0.55	0.57	0.55	0.51	0.46	0.46	0.53	0.48	0.48
3/16 clear/ 3/16 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.49	0.45	0.45	0.52	0.47	0.47
1/4 clear/ 1/4 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.48	0.43	0.43	0.51	0.46	0.46
DS EnergyShield™/ DS clear	0.45	0.42	0.45	0.42	0.45	0.42	0.27	0.24	0.24	0.45	0.41	0.41
3/16 EnergyShield™/ 3/16 clear	0.45	0.42	0.45	0.42	0.45	0.42	0.26	0.24	0.24	0.45	0.40	0.40
1/4 EnergyShield™/ 1/4 clear	0.45	0.42	0.45	0.42	0.45	0.42	0.26	0.24	0.24	0.44	0.40	0.40
DS EnergyShield Xtreme™/ DS clear	0.45	0.42	0.45	0.42	0.45	0.42	0.20	0.18	0.18	0.40	0.36	0.36
3/16 EnergyShield Xtreme™/ 3/16 clear	0.45	0.42	0.45	0.42	0.45	0.42	0.20	0.18	0.18	0.40	0.36	0.36
1/4 EnergyShield Xtreme™/ 1/4 clear	0.45	0.42	0.45	0.42	0.45	0.42	0.20	0.19	0.19	0.39	0.35	0.35
DS bronze/ DS clear	0.57	0.55	0.57	0.55	0.57	0.55	0.42	0.38	0.38	0.39	0.35	0.35
3/16 bronze/ 3/16 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.38	0.34	0.34	0.34	0.31	0.31
1/4 bronze/ 1/4 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.35	0.32	0.32	0.31	0.28	0.28
1/4 Solarcool/ 1/4 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.22	0.20	0.20	0.12	0.11	0.11
3/16 grey/ 3/16 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.34	0.31	0.31	0.29	0.26	0.26
1/4 grey/ 1/4 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.32	0.29	0.29	0.26	0.23	0.23
DS greylite # 31/ DS clear	0.57	0.55	0.57	0.55	0.57	0.55	0.22	0.21	0.21	0.14	0.13	0.13
DS Azuria/ DS clear	0.57	0.55	0.57	0.55	0.57	0.55	0.33	0.30	0.30	0.45	0.41	0.41
3/16 Azuria/ 3/16 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.29	0.27	0.27	0.42	0.38	0.38
1/4 Azuria/ 1/4 clear	0.56	0.55	0.56	0.55	0.56	0.55	0.27	0.25	0.25	0.40	0.36	0.36
DS bronze/ DS EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.27	0.24	0.24	0.34	0.30	0.30
3/16 bronze/ 3/16 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.24	0.22	0.22	0.29	0.26	0.26
1/4 bronze/ 1/4 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.23	0.21	0.21	0.27	0.24	0.24
3/16 grey/ 3/16 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.22	0.20	0.20	0.25	0.23	0.23
1/4 grey/ 1/4 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.21	0.19	0.19	0.22	0.20	0.20
DS Azuria/ DS EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.25	0.23	0.23	0.39	0.35	0.35
3/16 Azuria/ 3/16 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.23	0.21	0.21	0.36	0.32	0.32
1/4 Azuria/ 1/4 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.22	0.20	0.20	0.34	0.31	0.31
1/4 Solexia/ 1/4 EnergyShield™	0.45	0.42	0.45	0.42	0.45	0.42	0.26	0.24	0.24	0.39	0.35	0.35
DS EnergyShield Xtreme™/ DS ILE	0.42	0.39	0.42	0.39	0.42	0.39	0.19	0.18	0.18	0.39	0.35	0.35
3/16 EnergyShield Xtreme™/ 3/16 ILE	0.41	0.39	0.41	0.39	0.41	0.39	0.19	0.18	0.18	0.39	0.35	0.35
1/4 EnergyShield Xtreme™/ 1/4 ILE	0.41	0.39	0.41	0.39	0.41	0.39	0.20	0.18	0.18	0.38	0.34	0.34

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