

International Window 8220 3/4" Insulating Glass Unit Performance												
Single Hung w/Steel Spacer	U-Factors						SHGC			Visible Light		
				Sculpture d Grid		1/8" x 3/4" Grid					Sculpture d Grid	1/8" x 3/4" Grid
	Air fill	With Argon	Sculpture d Grid	with Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid with Argon		Sculpture d Grid	1/8" x 3/4" Grid		Sculpture d Grid	1/8" x 3/4" Grid
SS clear/ SS clear	0.55	0.54	0.55	0.54	0.55	0.54	0.67	0.54	0.60	0.69	0.55	0.62
DS clear/ DS clear	0.55	0.53	0.56	0.54	0.55	0.53	0.64	0.52	0.58	0.69	0.55	0.61
3/16 clear/ 3/16 clear	0.57	0.54	0.59	0.57	0.58	0.55	0.62	0.50	0.56	0.67	0.54	0.60
SS EnergyShield™/ SS clear	0.41	0.37	0.41	0.37	0.41	0.37	0.35	0.28	0.32	0.62	0.49	0.55
DS EnergyShield™/ DS clear	0.41	0.37	0.43	0.39	0.41	0.37	0.35	0.28	0.31	0.61	0.49	0.55
3/16 EnergyShield™/ 3/16 clear	0.43	0.38	0.47	0.42	0.45	0.40	0.34	0.28	0.31	0.60	0.48	0.54
SS EnergyShield Xtreme™/ SS clear	0.41	0.37	0.41	0.37	0.41	0.37	0.24	0.20	0.22	0.55	0.44	0.49
DS EnergyShield Xtreme™/ DS clear	0.41	0.37	0.42	0.38	0.41	0.37	0.24	0.20	0.22	0.54	0.43	0.49
3/16 EnergyShield Xtreme™/ 3/16 clear	0.43	0.38	0.47	0.42	0.44	0.39	0.25	0.20	0.22	0.54	0.43	0.48
DS bronze/ DS clear	0.55	0.53	0.56	0.54	0.55	0.53	0.53	0.43	0.48	0.51	0.41	0.46
3/16 bronze/ 3/16 clear	0.57	0.54	0.59	0.57	0.58	0.55	0.47	0.38	0.43	0.44	0.35	0.40
1/4 Solarcool/ DS clear	0.57	0.54	0.59	0.57	0.58	0.55	0.27	0.23	0.25	0.16	0.13	0.14
DS grey/ DS clear	0.55	0.53	0.56	0.54	0.55	0.53	0.49	0.40	0.45	0.46	0.37	0.41
3/16 grey/ 3/16 clear	0.57	0.54	0.59	0.57	0.58	0.55	0.43	0.35	0.39	0.38	0.30	0.34
DS greylite # 31/ DS clear	0.55	0.53	0.56	0.54	0.55	0.53	0.27	0.23	0.25	0.18	0.14	0.16
DS Azuria/ DS clear	0.55	0.53	0.56	0.54	0.55	0.53	0.41	0.34	0.38	0.59	0.47	0.53
3/16 Azuria/ 3/16 clear	0.57	0.54	0.59	0.57	0.58	0.55	0.37	0.30	0.33	0.54	0.43	0.49
DS bronze/ DS EnergyShield™	0.41	0.37	0.43	0.39	0.41	0.37	0.33	0.27	0.30	0.45	0.36	0.41
3/16 bronze/ 3/16 EnergyShield™	0.43	0.38	0.47	0.42	0.45	0.40	0.30	0.25	0.27	0.39	0.31	0.35
DS grey/ DS EnergyShield™	0.41	0.37	0.43	0.39	0.41	0.37	0.31	0.25	0.28	0.41	0.33	0.37
3/16 grey/ 3/16 EnergyShield™	0.43	0.38	0.47	0.42	0.45	0.40	0.28	0.23	0.25	0.34	0.27	0.30
DS Azuria/ DS EnergyShield™	0.41	0.37	0.43	0.39	0.41	0.37	0.32	0.26	0.29	0.52	0.42	0.47
3/16 Azuria/ 3/16 EnergyShield™	0.43	0.38	0.47	0.42	0.45	0.40	0.29	0.24	0.27	0.48	0.39	0.43
3/16 Solexia/ 3/16 EnergyShield™	0.43	0.38	0.47	0.42	0.45	0.40	0.34	0.27	0.30	0.54	0.43	0.48
DS EnergyShield Xtreme™/ DS ILE	0.36	0.33	0.37	0.34	0.36	0.33	0.23	0.19	0.21	0.51	0.41	0.46
3/16 EnergyShield Xtreme™/ 3/16 ILE	0.38	0.34	0.40	0.37	0.39	0.35	0.23	0.19	0.21	0.51	0.40	0.45

U-Value is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.*ft2*°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

International Window 8220 3/4" Insulating Glass Unit Performance												
Single Hung w/Xtreme Spacer	U-Factors						SHGC			Visible Light		
	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
SS clear/ SS clear	0.55	0.53	0.55	0.53	0.55	0.53	0.67	0.54	0.60	0.69	0.55	0.62
DS clear/ DS clear	0.55	0.53	0.55	0.53	0.55	0.53	0.64	0.52	0.58	0.69	0.55	0.61
3/16 clear/ 3/16 clear	0.56	0.53	0.59	0.56	0.57	0.54	0.62	0.50	0.56	0.67	0.54	0.60
SS EnergyShield™/ SS clear	0.40	0.36	0.40	0.36	0.40	0.36	0.35	0.28	0.32	0.62	0.49	0.55
DS EnergyShield™/ DS clear	0.40	0.36	0.42	0.38	0.40	0.36	0.35	0.28	0.31	0.61	0.49	0.55
3/16 EnergyShield™/ 3/16 clear	0.42	0.37	0.46	0.41	0.44	0.39	0.34	0.28	0.31	0.60	0.48	0.54
SS EnergyShield Xtreme™/ SS clear	0.40	0.36	0.40	0.36	0.40	0.36	0.24	0.20	0.22	0.55	0.44	0.49
DS EnergyShield Xtreme™/ DS clear	0.39	0.36	0.41	0.37	0.39	0.36	0.24	0.20	0.22	0.54	0.43	0.49
3/16 EnergyShield Xtreme™/ 3/16 clear	0.42	0.37	0.46	0.41	0.43	0.38	0.25	0.20	0.22	0.54	0.43	0.48
DS bronze/ DS clear	0.55	0.53	0.55	0.53	0.55	0.53	0.53	0.43	0.48	0.51	0.41	0.46
3/16 bronze/ 3/16 clear	0.56	0.53	0.59	0.56	0.57	0.54	0.47	0.38	0.43	0.44	0.35	0.40
1/4 Solarcool/ DS clear	0.56	0.54	0.59	0.56	0.57	0.54	0.27	0.23	0.25	0.16	0.13	0.14
DS grey/ DS clear	0.55	0.53	0.55	0.53	0.55	0.53	0.49	0.40	0.45	0.46	0.37	0.41
3/16 grey/ 3/16 clear	0.56	0.53	0.59	0.56	0.57	0.54	0.43	0.35	0.39	0.38	0.30	0.34
DS greylite # 31/ DS clear	0.55	0.53	0.55	0.53	0.55	0.53	0.27	0.23	0.25	0.18	0.14	0.16
DS Azuria/ DS clear	0.55	0.53	0.55	0.53	0.55	0.53	0.41	0.34	0.38	0.59	0.47	0.53
3/16 Azuria/ 3/16 clear	0.56	0.53	0.59	0.56	0.57	0.54	0.37	0.30	0.33	0.54	0.43	0.49
DS bronze/ DS EnergyShield™	0.40	0.36	0.42	0.38	0.40	0.36	0.33	0.27	0.30	0.45	0.36	0.41
3/16 bronze/ 3/16 EnergyShield™	0.42	0.37	0.46	0.41	0.44	0.39	0.30	0.25	0.27	0.39	0.31	0.35
DS grey/ DS EnergyShield™	0.40	0.36	0.42	0.38	0.40	0.36	0.31	0.25	0.28	0.41	0.33	0.37
3/16 grey/ 3/16 EnergyShield™	0.42	0.37	0.46	0.41	0.44	0.39	0.28	0.23	0.25	0.34	0.27	0.30
DS Azuria/ DS EnergyShield™	0.40	0.36	0.42	0.38	0.40	0.36	0.32	0.26	0.29	0.52	0.42	0.47
3/16 Azuria/ 3/16 EnergyShield™	0.42	0.37	0.46	0.41	0.44	0.39	0.29	0.24	0.27	0.48	0.39	0.43
3/16 Solexia/ 3/16 EnergyShield™	0.42	0.37	0.46	0.41	0.44	0.39	0.34	0.27	0.30	0.54	0.43	0.48
DS EnergyShield Xtreme™/ DS ILE	0.35	0.32	0.36	0.33	0.35	0.32	0.23	0.19	0.21	0.51	0.41	0.46
DS EnergyShield Xtreme™/ 3/16 ILE	0.35	0.32	0.37	0.34	0.35	0.32	0.23	0.19	0.21	0.51	0.41	0.46

U-Value is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.*ft2*°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