International Window 8220 3/4" Insulating Glass Unit Performance

Horizontal Slider w/Steel 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	0.56	0.54	0.57	0.54	0.56	0.54	0.67	0.54	0.60	0.70	0.56	0.63
DS clear/ DS clear	0.56	0.54	0.57	0.54	0.56	0.54	0.65	0.52	0.58	0.69	0.55	0.62
3/16 clear/ 3/16 clear	0.58	0.55	0.61	0.58	0.61	0.58	0.62	0.50	0.56	0.68	0.54	0.61
SS EnergyShield™/ SS clear	0.41	0.38	0.43	0.39	0.41	0.38	0.33	0.27	0.30	0.60	0.48	0.54
DS EnergyShield™/ DS clear	0.42	0.37	0.44	0.39	0.42	0.37	0.33	0.27	0.30	0.59	0.47	0.53
3/16 EnergyShield™/ 3/16 clear	0.44	0.39	0.49	0.44	0.49	0.44	0.33	0.27	0.30	0.58	0.47	0.52
SS EnergyShield Xtreme™/ SS clear	0.41	0.37	0.42	0.38	0.41	0.37	0.25	0.20	0.22	0.53	0.42	0.47
DS EnergyShield Xtreme™/ DS clear	0.41	0.37	0.43	0.39	0.41	0.37	0.25	0.20	0.22	0.52	0.42	0.47
3/16 EnergyShield Xtreme™/ 3/16 clear	0.44	0.39	0.49	0.44	0.49	0.44	0.25	0.21	0.23	0.52	0.41	0.46
DS bronze/ DS clear	0.56	0.54	0.57	0.54	0.56	0.54	0.53	0.43	0.48	0.51	0.41	0.46
3/16 bronze/ 3/16 clear	0.58	0.55	0.61	0.58	0.61	0.58	0.48	0.39	0.43	0.44	0.35	0.40
1/4 Solarcool/ DS clear	0.57	0.55	0.65	0.56	0.59	0.56	0.28	0.23	0.25	0.16	0.13	0.14
DS grey/ DS clear	0.56	0.54	0.57	0.54	0.56	0.54	0.50	0.40	0.45	0.46	0.37	0.41
3/16 grey/ 3/16 clear	0.58	0.55	0.61	0.58	0.61	0.58	0.44	0.35	0.39	0.38	0.31	0.34
DS greylite # 31/ DS clear	0.56	0.54	0.57	0.54	0.56	0.54	0.28	0.23	0.25	0.18	0.15	0.16
DS Azuria/ DS clear	0.56	0.54	0.57	0.54	0.56	0.54	0.42	0.34	0.38	0.59	0.47	0.53
3/16 Azuria/ DS clear	0.56	0.54	0.58	0.55	0.56	0.54	0.37	0.30	0.33	0.55	0.44	0.49
DS bronze/ DS EnergyShield™	0.42	0.37	0.44	0.39	0.42	0.37	0.33	0.27	0.30	0.44	0.35	0.39
3/16 bronze/ 3/16 EnergyShield™	0.44	0.39	0.49	0.44	0.49	0.44	0.30	0.25	0.28	0.38	0.30	0.34
DS bronze/ DS EnergyShield Xtreme™	0.41	0.37	0.43	0.39	0.41	0.37	0.29	0.24	0.26	0.39	0.31	0.35
3/16 bronze/ 3/16 EnergyShield Xtreme™	0.44	0.39	0.49	0.44	0.49	0.44	0.26	0.22	0.24	0.34	0.27	0.30
DS grey/ DS EnergyShield™	0.42	0.37	0.44	0.39	0.42	0.37	0.31	0.25	0.28	0.40	0.32	0.36
3/16 grey/ 3/16 EnergyShield™	0.44	0.39	0.49	0.44	0.49	0.44	0.28	0.23	0.25	0.33	0.26	0.30
DS Azuria/ DS EnergyShield™	0.42	0.37	0.44	0.39	0.42	0.37	0.32	0.26	0.29	0.51	0.41	0.46
3/16 Azuria/ 3/16 EnergyShield™	0.44	0.39	0.49	0.44	0.49	0.44	0.30	0.24	0.27	0.47	0.37	0.42
3/16 Solexia/ 3/16 EnergyShield™	0.44	0.39	0.49	0.44	0.49	0.44	0.34	0.28	0.31	0.52	0.42	0.47
DS EnergyShield Xtreme™/ DS ILE	0.37	0.33	0.38	0.34	0.37	0.33	0.24	0.20	0.22	0.51	0.41	0.46
3/16 EnergyShield Xtreme™/ 3/16 ILE	0.38	0.35	0.41	0.38	0.41	0.38	0.24	0.20	0.22	0.50	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

Horizontal Slider 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	0.56	0.53	0.55	0.53	0.67	0.54	0.60	0.70	0.56	0.63
DS clear/ DS clear	0.55	0.53	0.56	0.53	0.55	0.53	0.65	0.52	0.58	0.69	0.55	0.62
3/16 clear/ 3/16 clear	0.57	0.54	0.60	0.57	0.60	0.57	0.62	0.50	0.56	0.68	0.54	0.61
SS EnergyShield™/ SS clear	0.40	0.36	0.41	0.37	0.40	0.36	0.33	0.27	0.30	0.60	0.48	0.54
DS EnergyShield™/ DS clear	0.40	0.36	0.43	0.38	0.40	0.36	0.33	0.27	0.30	0.59	0.47	0.53
3/16 EnergyShield™/ 3/16 clear	0.43	0.38	0.48	0.43	0.48	0.43	0.33	0.27	0.30	0.58	0.47	0.52
SS EnergyShield Xtreme™/ SS clear	0.40	0.36	0.41	0.37	0.40	0.36	0.25	0.20	0.22	0.53	0.42	0.47
DS EnergyShield Xtreme™/ DS clear	0.40	0.36	0.41	0.37	0.40	0.36	0.25	0.20	0.22	0.52	0.42	0.47
3/16 EnergyShield Xtreme™/ 3/16 clear	0.43	0.38	0.48	0.43	0.48	0.43	0.25	0.21	0.23	0.52	0.41	0.46
DS bronze/ DS clear	0.55	0.53	0.56	0.53	0.55	0.53	0.53	0.43	0.48	0.51	0.41	0.46
3/16 bronze/ 3/16 clear	0.57	0.54	0.60	0.57	0.60	0.57	0.48	0.39	0.43	0.44	0.35	0.40
1/4 Solarcool/ DS clear	0.56	0.54	0.64	0.55	0.58	0.55	0.28	0.23	0.25	0.16	0.13	0.14
DS grey/ DS clear	0.55	0.53	0.56	0.53	0.55	0.53	0.50	0.40	0.45	0.46	0.37	0.41
3/16 grey/ 3/16 clear	0.57	0.54	0.60	0.57	0.60	0.57	0.44	0.35	0.39	0.38	0.31	0.34
DS greylite # 31/ DS clear	0.55	0.53	0.56	0.53	0.55	0.53	0.28	0.23	0.25	0.18	0.15	0.16
DS Azuria/ DS clear	0.55	0.53	0.56	0.53	0.55	0.53	0.42	0.34	0.38	0.59	0.47	0.53
3/16 Azuria/ DS clear	0.56	0.53	0.57	0.54	0.56	0.53	0.37	0.30	0.33	0.55	0.44	0.49
DS bronze/ DS EnergyShield™	0.40	0.36	0.43	0.38	0.40	0.36	0.33	0.27	0.30	0.44	0.35	0.39
3/16 bronze/ 3/16 EnergyShield™	0.43	0.38	0.48	0.43	0.48	0.43	0.30	0.25	0.28	0.38	0.30	0.34
DS grey/ DS EnergyShield™	0.40	0.36	0.43	0.38	0.40	0.36	0.31	0.25	0.28	0.40	0.32	0.36
3/16 grey/ 3/16 EnergyShield™	0.43	0.38	0.48	0.43	0.48	0.43	0.28	0.23	0.25	0.33	0.26	0.30
DS Azuria/ DS EnergyShield™	0.40	0.36	0.43	0.38	0.40	0.36	0.32	0.26	0.29	0.51	0.41	0.46
3/16 Azuria/ 3/16 EnergyShield™	0.43	0.38	0.48	0.43	0.48	0.43	0.30	0.24	0.27	0.47	0.37	0.42
3/16 Solexia/ DS EnergyShield™	0.41	0.36	0.43	0.39	0.41	0.36	0.34	0.27	0.30	0.52	0.42	0.47
DS EnergyShield Xtreme™/ DS ILE	0.35	0.32	0.37	0.33	0.35	0.32	0.24	0.20	0.22	0.51	0.41	0.46
DS EnergyShield Xtreme™/ 3/16 ILE	0.35	0.32	0.37	0.33	0.35	0.32	0.24	0.20	0.22	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