

International Window 5420 3/4" Insulating Glass Unit Performance												
Double Hung w/Steel Spacer	U-Factors						SHGC			Visible Light		
	Air fill	With Argon	Sculptured & SDL 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	0.48	0.47	0.48	0.47	0.48	0.47	0.56	0.45	0.50	0.59	0.46
DS clear/ DS clear	0.48	0.47	0.48	0.47	0.48	0.47	0.55	0.43	0.49	0.58	0.45	0.52
3/16 clear/ 3/16 clear	0.49	0.47	0.52	0.50	0.52	0.50	0.52	0.41	0.47	0.57	0.45	0.51
SS EnergyShield™/ SS clear	0.36	0.33	0.36	0.33	0.36	0.33	0.29	0.23	0.26	0.52	0.41	0.46
DS EnergyShield™/ DS clear	0.36	0.33	0.36	0.33	0.36	0.33	0.28	0.23	0.26	0.52	0.40	0.46
3/16 EnergyShield™/ 3/16 clear	0.38	0.34	0.42	0.38	0.42	0.38	0.28	0.23	0.25	0.51	0.40	0.45
SS EnergyShield Xtreme™/ SS clear	0.35	0.32	0.35	0.32	0.35	0.32	0.20	0.16	0.18	0.46	0.36	0.41
DS EnergyShield Xtreme™/ DS clear	0.35	0.32	0.35	0.32	0.35	0.32	0.20	0.17	0.18	0.46	0.36	0.41
3/16 EnergyShield Xtreme™/ 3/16 clear	0.37	0.33	0.42	0.37	0.42	0.37	0.21	0.17	0.19	0.45	0.35	0.40
DS bronze/ DS clear	0.48	0.47	0.48	0.47	0.48	0.47	0.45	0.36	0.40	0.43	0.34	0.38
3/16 bronze/ 3/16 clear	0.49	0.47	0.52	0.50	0.52	0.50	0.40	0.32	0.36	0.37	0.29	0.33
3/16 Solarcool/ 3/16 clear	0.49	0.47	0.52	0.50	0.52	0.50	0.24	0.20	0.22	0.15	0.11	0.13
DS grey/ DS clear	0.48	0.47	0.48	0.47	0.48	0.47	0.42	0.33	0.38	0.39	0.30	0.35
3/16 grey/ 3/16 clear	0.49	0.47	0.52	0.50	0.52	0.50	0.37	0.29	0.33	0.32	0.25	0.29
DS greylite # 31/ DS clear	0.48	0.47	0.48	0.47	0.48	0.47	0.23	0.19	0.21	0.15	0.12	0.14
DS Azuria/ DS clear	0.48	0.47	0.48	0.47	0.48	0.47	0.35	0.28	0.32	0.50	0.39	0.44
3/16 Azuria/ 3/16 clear	0.49	0.47	0.52	0.50	0.52	0.50	0.31	0.25	0.28	0.46	0.36	0.41
DS bronze/ DS EnergyShield™	0.36	0.33	0.36	0.33	0.36	0.33	0.27	0.22	0.24	0.38	0.30	0.34
3/16 bronze/ 3/16 EnergyShield™	0.38	0.34	0.42	0.38	0.42	0.38	0.25	0.20	0.22	0.33	0.26	0.30
DS grey/ DS EnergyShield™	0.36	0.33	0.36	0.33	0.36	0.33	0.26	0.21	0.23	0.35	0.27	0.31
3/16 grey/ 3/16 EnergyShield™	0.38	0.34	0.42	0.38	0.42	0.38	0.23	0.19	0.21	0.29	0.22	0.26
DS Azuria/ DS EnergyShield™	0.36	0.33	0.36	0.33	0.36	0.33	0.27	0.21	0.24	0.44	0.35	0.39
3/16 Azuria/ 3/16 EnergyShield™	0.38	0.34	0.42	0.38	0.42	0.38	0.25	0.20	0.22	0.41	0.32	0.36
3/16 Solexia/ 3/16 EnergyShield™	0.38	0.34	0.42	0.38	0.42	0.38	0.28	0.22	0.25	0.45	0.35	0.40

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 5420 3/4" Insulating Glass Unit Performance												
Double Hung w/Xtreme Spacer	U-Factors						SHGC			Visible Light		
	Air fill	With Argon	Sculptured & SDL Grid	Sculptured & SDL Grid with Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid with Argon		Sculptured & SDL Grid	1/8" x 3/4" Grid		Sculptured & SDL Grid	1/8" x 3/4" Grid
	SS clear/ SS clear	0.47	0.45	0.47	0.45	0.47	0.45	0.56	0.45	0.50	0.59	0.46
DS clear/ DS clear	0.47	0.45	0.47	0.45	0.47	0.45	0.55	0.43	0.49	0.58	0.45	0.52
3/16 clear/ 3/16 clear	0.48	0.46	0.51	0.48	0.51	0.48	0.52	0.41	0.47	0.57	0.45	0.51
SS EnergyShield™/ SS clear	0.34	0.31	0.34	0.31	0.34	0.31	0.29	0.23	0.26	0.52	0.41	0.46
DS EnergyShield™/ DS clear	0.34	0.31	0.34	0.31	0.34	0.31	0.28	0.23	0.26	0.52	0.40	0.46
3/16 EnergyShield™/ 3/16 clear	0.36	0.32	0.40	0.36	0.40	0.36	0.28	0.23	0.25	0.51	0.40	0.45
SS EnergyShield Xtreme™/ SS clear	0.34	0.30	0.34	0.30	0.34	0.30	0.20	0.16	0.18	0.46	0.36	0.41
DS EnergyShield Xtreme™/ DS clear	0.34	0.30	0.34	0.30	0.34	0.30	0.20	0.17	0.18	0.46	0.36	0.41
3/16 EnergyShield Xtreme™/ 3/16 clear	0.36	0.32	0.40	0.36	0.40	0.36	0.21	0.17	0.19	0.45	0.35	0.40
DS bronze/ DS clear	0.47	0.45	0.47	0.45	0.47	0.45	0.45	0.36	0.40	0.43	0.34	0.38
3/16 bronze/ 3/16 clear	0.48	0.46	0.51	0.48	0.51	0.48	0.40	0.32	0.36	0.37	0.29	0.33
3/16 Solarcool/ 3/16 clear	0.48	0.46	0.51	0.48	0.51	0.48	0.24	0.20	0.22	0.15	0.11	0.13
DS grey/ DS clear	0.47	0.45	0.47	0.45	0.47	0.45	0.42	0.33	0.38	0.39	0.30	0.35
3/16 grey/ 3/16 clear	0.48	0.46	0.51	0.48	0.51	0.48	0.37	0.29	0.33	0.32	0.25	0.29
DS greylite # 31/ DS clear	0.47	0.45	0.47	0.45	0.47	0.45	0.23	0.19	0.21	0.15	0.12	0.14
DS Azuria/ DS clear	0.47	0.45	0.47	0.45	0.47	0.45	0.35	0.28	0.32	0.50	0.39	0.44
3/16 Azuria/ 3/16 clear	0.48	0.46	0.51	0.48	0.51	0.48	0.31	0.25	0.28	0.46	0.36	0.41
DS bronze/ DS EnergyShield™	0.34	0.31	0.34	0.31	0.34	0.31	0.27	0.22	0.24	0.38	0.30	0.34
3/16 bronze/ 3/16 EnergyShield™	0.36	0.32	0.40	0.36	0.40	0.36	0.25	0.20	0.22	0.33	0.26	0.30
DS grey/ DS EnergyShield™	0.34	0.31	0.34	0.31	0.34	0.31	0.26	0.21	0.23	0.35	0.27	0.31
3/16 grey/ 3/16 EnergyShield™	0.36	0.32	0.40	0.36	0.40	0.36	0.23	0.19	0.21	0.29	0.22	0.26
DS Azuria/ DS EnergyShield™	0.34	0.31	0.34	0.31	0.34	0.31	0.27	0.21	0.24	0.44	0.35	0.39
3/16 Azuria/ 3/16 EnergyShield™	0.36	0.32	0.40	0.36	0.40	0.36	0.25	0.20	0.22	0.41	0.32	0.36
3/16 Solexia/ 3/16 EnergyShield™	0.36	0.32	0.40	0.36	0.40	0.36	0.28	0.22	0.25	0.45	0.35	0.40

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.

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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 5420 1 1/8" Triple Glaze Unit Performance

**Double Hung
w/Steel Spacer**

	U-Factors						SHGC			Visible Light		
	Air fill	With Argon	Sculptured & SDL Grid	Sculptured & SDL Grid with Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid with Argon		Sculptured & SDL Grid	1/8" x 3/4" Grid		Sculptured & SDL Grid	1/8" x 3/4" Grid
SS EnergyShield™/ SS clear / SS clear	0.31	0.28	0.32	0.29	0.32	0.29	0.26	0.21	0.24	0.48	0.37	0.42
DS EnergyShield™/ DS clear / DS clear	0.32	0.29	0.34	0.31	0.34	0.31	0.26	0.21	0.24	0.47	0.37	0.42
3/16 EnergyShield™/ 3/16 clear / 3/16 clear	0.35	0.31	0.36	0.32	0.36	0.32	0.26	0.21	0.23	0.46	0.36	0.41
SS EnergyShield™/ SS clear / SS EnergyShield™	0.27	0.24	0.27	0.25	0.27	0.25	0.25	0.20	0.22	0.42	0.33	0.38
DS EnergyShield™/ DS clear / DS EnergyShield™	0.28	0.25	0.29	0.27	0.29	0.27	0.24	0.20	0.22	0.42	0.33	0.37
3/16 EnergyShield™/ 3/16 clear / 3/16 EnergyShield™	0.31	0.28	0.32	0.29	0.32	0.29	0.24	0.19	0.22	0.41	0.32	0.36
SS EnergyShield Xtreme™/ SS clear / SS clear	0.30	0.28	0.32	0.29	0.32	0.29	0.19	0.15	0.17	0.42	0.33	0.38
DS EnergyShield Xtreme™/ DS clear / DS clear	0.32	0.29	0.34	0.30	0.34	0.30	0.19	0.15	0.17	0.42	0.33	0.37
3/16 EnergyShield Xtreme™/ 3/16 clear / 3/16 clear	0.34	0.31	0.35	0.32	0.35	0.32	0.19	0.16	0.17	0.41	0.32	0.36
SS EnergyShield Xtreme™/ SS clear / SS EnergyShield Xtreme™	0.26	0.24	0.27	0.25	0.27	0.25	0.19	0.15	0.17	0.42	0.33	0.38
DS EnergyShield Xtreme™/ DS clear / DS EnergyShield Xtreme™	0.28	0.25	0.29	0.26	0.29	0.26	0.19	0.15	0.17	0.42	0.33	0.37
3/16 EnergyShield Xtreme™/ 3/16 clear / 3/16 EnergyShield Xtreme™	0.31	0.27	0.31	0.28	0.31	0.28	0.19	0.16	0.17	0.41	0.32	0.36

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	Air fill	With Argon	Sculptured & SDL Grid	Sculptured & SDL Grid with Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid with Argon		Sculptured & SDL Grid	1/8" x 3/4" Grid		Sculptured & SDL Grid	1/8" x 3/4" Grid
SS EnergyShield™/ SS clear / SS clear	0.29	0.26	0.30	0.27	0.30	0.27	0.26	0.21	0.24	0.48	0.37	0.42
DS EnergyShield™/ DS clear / DS clear	0.30	0.27	0.32	0.29	0.32	0.29	0.26	0.21	0.24	0.47	0.37	0.42
3/16 EnergyShield™/ 3/16 clear / 3/16 clear	0.33	0.30	0.34	0.31	0.34	0.31	0.26	0.21	0.23	0.46	0.36	0.41
SS EnergyShield™/ SS clear / SS EnergyShield™	0.25	0.22	0.25	0.23	0.25	0.23	0.25	0.20	0.22	0.42	0.33	0.38
DS EnergyShield™/ DS clear / DS EnergyShield™	0.26	0.23	0.27	0.25	0.27	0.25	0.24	0.20	0.22	0.42	0.33	0.37
3/16 EnergyShield™/ 3/16 clear / 3/16 EnergyShield™	0.30	0.26	0.30	0.27	0.30	0.27	0.24	0.19	0.22	0.41	0.32	0.36
SS EnergyShield Xtreme™/ SS clear / SS clear	0.29	0.26	0.30	0.27	0.30	0.27	0.19	0.15	0.17	0.42	0.33	0.38
DS EnergyShield Xtreme™/ DS clear / DS clear	0.30	0.27	0.32	0.29	0.32	0.29	0.19	0.15	0.17	0.42	0.33	0.37
3/16 EnergyShield Xtreme™/ 3/16 clear / 3/16 clear	0.33	0.30	0.34	0.30	0.34	0.30	0.19	0.16	0.17	0.41	0.32	0.36
SS EnergyShield Xtreme™/ SS clear / SS EnergyShield Xtreme™	0.24	0.22	0.25	0.23	0.25	0.23	0.19	0.15	0.17	0.42	0.33	0.38
DS EnergyShield Xtreme™/ DS clear / DS EnergyShield Xtreme™	0.26	0.23	0.27	0.24	0.27	0.24	0.19	0.15	0.17	0.42	0.33	0.37
3/16 EnergyShield Xtreme™/ 3/16 clear / 3/16 EnergyShield Xtreme™	0.29	0.26	0.30	0.26	0.30	0.26	0.19	0.16	0.17	0.41	0.32	0.36

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