

International Window 5320 3/4" Insulating Glass Unit Performance												
Casement 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	0.43	0.41	0.43	0.41	0.43	0.41	0.55	0.50	0.50	0.57	0.51
DS clear/ DS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.53	0.48	0.48	0.56	0.51	0.51
3/16 clear/ 3/16 clear	0.44	0.42	0.46	0.44	0.46	0.44	0.51	0.46	0.46	0.55	0.50	0.50
SS EnergyShield™/ SS clear	0.31	0.28	0.31	0.28	0.31	0.28	0.26	0.24	0.24	0.48	0.44	0.44
DS EnergyShield™/ DS clear	0.31	0.28	0.31	0.28	0.31	0.28	0.26	0.24	0.24	0.48	0.43	0.43
3/16 EnergyShield™/ 3/16 clear	0.33	0.29	0.36	0.32	0.36	0.32	0.26	0.24	0.24	0.47	0.43	0.43
SS EnergyShield Xtreme™/ SS clear	0.31	0.28	0.31	0.28	0.31	0.28	0.19	0.18	0.18	0.43	0.39	0.39
DS EnergyShield Xtreme™/ DS clear	0.31	0.28	0.31	0.28	0.31	0.28	0.19	0.18	0.18	0.43	0.39	0.39
3/16 EnergyShield Xtreme™/ 3/16 clear	0.33	0.29	0.36	0.32	0.36	0.32	0.20	0.18	0.18	0.42	0.38	0.38
SS bronze/ SS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.48	0.43	0.43	0.46	0.42	0.42
DS bronze/ DS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.44	0.40	0.40	0.42	0.38	0.38
3/16 bronze/ 3/16 clear	0.44	0.42	0.46	0.44	0.46	0.44	0.39	0.35	0.35	0.36	0.33	0.33
3/16 Solarcool/ 3/16 clear	0.44	0.42	0.46	0.44	0.46	0.44	0.24	0.22	0.22	0.14	0.13	0.13
DS grey/ DS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.41	0.37	0.37	0.38	0.34	0.34
3/16 grey/ 3/16 clear	0.44	0.42	0.46	0.44	0.46	0.44	0.35	0.32	0.32	0.31	0.28	0.28
DS greylite # 31/ DS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.23	0.21	0.21	0.15	0.13	0.13
SS Azuria/ SS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.39	0.35	0.35	0.51	0.46	0.46
DS Azuria/ DS clear	0.43	0.41	0.43	0.41	0.43	0.41	0.34	0.31	0.31	0.48	0.44	0.44
3/16 Azuria/ 3/16 clear	0.44	0.42	0.46	0.44	0.46	0.44	0.30	0.28	0.28	0.44	0.40	0.40
DS bronze/ SS EnergyShield™	0.31	0.28	0.31	0.28	0.31	0.28	0.28	0.25	0.25	0.39	0.36	0.36
DS bronze/ DS EnergyShield™	0.31	0.28	0.31	0.28	0.31	0.28	0.26	0.24	0.24	0.36	0.32	0.32
3/16 bronze/ 3/16 EnergyShield™	0.33	0.29	0.36	0.32	0.36	0.32	0.24	0.22	0.22	0.31	0.28	0.28
DS grey/ DS EnergyShield™	0.31	0.28	0.31	0.28	0.31	0.28	0.24	0.22	0.22	0.32	0.29	0.29
3/16 grey/ 3/16 EnergyShield™	0.33	0.29	0.36	0.32	0.36	0.32	0.22	0.20	0.20	0.27	0.24	0.24
SS Azuria/ SS EnergyShield™	0.31	0.28	0.31	0.28	0.31	0.28	0.27	0.25	0.25	0.43	0.39	0.39
DS Azuria/ DS EnergyShield™	0.31	0.28	0.31	0.28	0.31	0.28	0.25	0.23	0.23	0.41	0.37	0.37
3/16 Azuria/ 3/16 EnergyShield™	0.33	0.29	0.36	0.32	0.36	0.32	0.24	0.22	0.22	0.38	0.34	0.34
3/16 Solexia/ 3/16 EnergyShield™	0.33	0.29	0.36	0.32	0.36	0.32	0.27	0.24	0.24	0.42	0.38	0.38

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

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Casement w/Extreme 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	0.41	0.40	0.41	0.40	0.41	0.40	0.55	0.50	0.50	0.57	0.51
DS clear/ DS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.53	0.48	0.48	0.56	0.51	0.51
3/16 clear/ 3/16 clear	0.43	0.41	0.45	0.42	0.45	0.42	0.51	0.46	0.46	0.55	0.50	0.50
SS EnergyShield™/ SS clear	0.29	0.26	0.29	0.26	0.29	0.26	0.26	0.24	0.24	0.48	0.44	0.44
DS EnergyShield™/ DS clear	0.29	0.26	0.29	0.26	0.29	0.26	0.26	0.24	0.24	0.48	0.43	0.43
3/16 EnergyShield™/ 3/16 clear	0.31	0.27	0.34	0.30	0.34	0.30	0.26	0.24	0.24	0.47	0.43	0.43
SS EnergyShield Xtreme™/ SS clear	0.29	0.26	0.29	0.26	0.29	0.26	0.19	0.18	0.18	0.43	0.39	0.39
DS EnergyShield Xtreme™/ DS clear	0.29	0.26	0.29	0.26	0.29	0.26	0.19	0.18	0.18	0.43	0.39	0.39
3/16 EnergyShield Xtreme™/ 3/16 clear	0.31	0.27	0.34	0.30	0.34	0.30	0.20	0.18	0.18	0.42	0.38	0.38
SS bronze/ SS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.48	0.43	0.43	0.46	0.42	0.42
DS bronze/ DS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.44	0.40	0.40	0.42	0.38	0.38
3/16 bronze/ 3/16 clear	0.43	0.41	0.45	0.42	0.45	0.42	0.39	0.35	0.35	0.36	0.33	0.33
5/32 Solarcool/ 3/16 clear	0.43	0.41	0.45	0.42	0.45	0.42	0.24	0.22	0.22	0.14	0.13	0.13
DS grey/ DS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.41	0.37	0.37	0.38	0.34	0.34
3/16 grey/ 3/16 clear	0.43	0.41	0.45	0.42	0.45	0.42	0.35	0.32	0.32	0.31	0.28	0.28
DS greylite # 31/ DS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.23	0.21	0.21	0.15	0.13	0.13
SS Azuria/ SS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.39	0.35	0.35	0.51	0.46	0.46
DS Azuria/ DS clear	0.41	0.40	0.41	0.40	0.41	0.40	0.34	0.31	0.31	0.48	0.44	0.44
3/16 Azuria/ 3/16 clear	0.43	0.41	0.45	0.42	0.45	0.42	0.30	0.28	0.28	0.44	0.40	0.40
DS bronze/ SS EnergyShield™	0.29	0.26	0.29	0.26	0.29	0.26	0.28	0.25	0.25	0.39	0.36	0.36
DS bronze/ DS EnergyShield™	0.29	0.26	0.29	0.26	0.29	0.26	0.26	0.24	0.24	0.36	0.32	0.32
3/16 bronze/ 3/16 EnergyShield™	0.31	0.27	0.34	0.30	0.34	0.30	0.24	0.22	0.22	0.31	0.28	0.28
DS grey/ DS EnergyShield™	0.29	0.26	0.29	0.26	0.29	0.26	0.24	0.22	0.22	0.32	0.29	0.29
3/16 grey/ 3/16 EnergyShield™	0.31	0.27	0.34	0.30	0.34	0.30	0.22	0.20	0.20	0.27	0.24	0.24
SS Azuria/ SS EnergyShield™	0.29	0.26	0.29	0.26	0.29	0.26	0.27	0.25	0.25	0.43	0.39	0.39
DS Azuria/ DS EnergyShield™	0.29	0.26	0.29	0.26	0.29	0.26	0.25	0.23	0.23	0.41	0.37	0.37
3/16 Azuria/ 3/16 EnergyShield™	0.31	0.27	0.34	0.30	0.34	0.30	0.24	0.22	0.22	0.38	0.34	0.34
3/16 Solexia/ 3/16 EnergyShield™	0.31	0.27	0.34	0.30	0.34	0.30	0.27	0.24	0.24	0.42	0.38	0.38

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