

International Window 7080 1" Insulating Glass Unit Performance												
Hinged Glass Door	U-Value Residential Only						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
DS clear/ DS clear	0.54	0.52	0.54	0.52	0.54	0.52	0.52	0.40	0.46	0.55	0.41	0.48
3/16 clear/ 3/16 clear	0.53	0.52	0.53	0.52	0.53	0.52	0.50	0.38	0.44	0.54	0.40	0.47
1/4 clear/ 1/4 clear	0.53	0.51	0.54	0.52	0.54	0.52	0.49	0.37	0.43	0.54	0.40	0.46
DS EnergyShield/ DS clear	0.42	0.39	0.42	0.39	0.42	0.39	0.26	0.20	0.23	0.47	0.35	0.41
3/16 EnergyShield/ 3/16 clear	0.42	0.39	0.42	0.39	0.42	0.39	0.26	0.20	0.23	0.47	0.35	0.40
1/4 EnergyShield/ 1/4 clear	0.41	0.39	0.43	0.40	0.41	0.39	0.26	0.20	0.23	0.46	0.34	0.40
DS EnergyShield Xtreme/ DS clear	0.42	0.39	0.42	0.39	0.42	0.39	0.20	0.16	0.18	0.37	0.27	0.32
3/16 EnergyShield Xtreme/ 3/16 clear	0.41	0.38	0.42	0.39	0.41	0.38	0.21	0.16	0.18	0.36	0.27	0.31
1/4 EnergyShield Xtreme/ 1/4 clear	0.41	0.38	0.43	0.39	0.41	0.38	0.20	0.16	0.18	0.43	0.32	0.38
DS bronze/ DS clear	0.54	0.52	0.54	0.52	0.54	0.52	0.43	0.33	0.38	0.41	0.30	0.35
3/16 bronze/ 3/16 clear	0.53	0.52	0.53	0.52	0.53	0.52	0.39	0.30	0.34	0.35	0.26	0.31
1/4 bronze/ 1/4 clear	0.53	0.51	0.54	0.52	0.54	0.52	0.36	0.28	0.32	0.32	0.24	0.28
3/16 Solarcool/ 3/16 clear	0.53	0.52	0.53	0.52	0.53	0.52	0.26	0.20	0.23	0.14	0.10	0.12
DS grey/ DS clear	0.54	0.52	0.54	0.52	0.54	0.52	0.40	0.31	0.35	0.37	0.27	0.32
3/16 grey/ 3/16 clear	0.53	0.52	0.53	0.52	0.53	0.52	0.35	0.27	0.31	0.31	0.23	0.26
1/4 grey/ 1/4 clear	0.53	0.51	0.54	0.52	0.54	0.52	0.32	0.25	0.29	0.27	0.20	0.23
DS greylite # 31/ DS clear	0.54	0.52	0.54	0.52	0.54	0.52	0.33	0.25	0.29	0.19	0.14	0.16
1/4 greylite # 31/ 1/4 clear	0.53	0.51	0.54	0.52	0.54	0.52	0.25	0.19	0.22	0.08	0.06	0.07
DS Azurelite/ DS clear	0.54	0.52	0.54	0.52	0.54	0.52	0.34	0.26	0.30	0.47	0.35	0.41
3/16 Azurelite/ 3/16 clear	0.53	0.52	0.53	0.52	0.53	0.52	0.30	0.23	0.26	0.44	0.32	0.38
1/4 Azurelite/ 1/4 clear	0.53	0.51	0.54	0.52	0.54	0.52	0.28	0.21	0.24	0.41	0.31	0.36
DS bronze/ DS EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.26	0.20	0.23	0.35	0.26	0.30
3/16 bronze/ 3/16 EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.24	0.19	0.21	0.30	0.22	0.26
1/4 bronze/ 1/4 EnergyShield	0.41	0.39	0.43	0.40	0.41	0.39	0.19	0.15	0.17	0.26	0.19	0.23
DS grey/ DS EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.26	0.20	0.23	0.35	0.26	0.30
3/16 grey/ 3/16 EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.22	0.17	0.20	0.26	0.19	0.23
1/4 grey/ 1/4 EnergyShield	0.41	0.39	0.43	0.40	0.41	0.39	0.17	0.14	0.15	0.22	0.16	0.19
DS Azurelite/ DS EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.25	0.20	0.22	0.41	0.30	0.35
3/16 Azurelite/ 3/16 EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.24	0.19	0.21	0.37	0.28	0.32
1/4 Azurelite/ 1/4 EnergyShield	0.41	0.39	0.43	0.40	0.41	0.39	0.21	0.16	0.18	0.33	0.25	0.29
3/16 Solex/ 3/16 EnergyShield	0.42	0.39	0.42	0.39	0.42	0.39	0.25	0.20	0.22	0.41	0.31	0.36

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.