

Thermal Performance

Integrity® Casement					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.29	3.45	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.28	0.46	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.30	3.33	0.28	0.46	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.28	0.46	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.29	3.45	0.28	0.46	N, NC, SC, S

Integrity® Glider					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.30	3.33	0.31	0.54	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.34	2.94	0.29	0.48	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.30	3.33	0.28	0.48	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.29	0.48	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.30	3.33	0.28	0.48	N, NC, SC, S

Integrity® Awning					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.29	3.45	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.28	0.46	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.29	3.45	0.27	0.46	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.28	0.46	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.29	3.45	0.27	0.46	N, NC, SC, S

Integrity® Round Top					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.32	3.13	0.36	0.62	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.28	3.57	0.36	0.62	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.33	0.56	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.29	3.45	0.32	0.56	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.32	3.13	0.34	0.57	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.28	3.57	0.33	0.57	N, NC, SC, S

Integrity® Casement Picture					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.32	3.13	0.34	0.58	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.28	3.57	0.34	0.58	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.31	0.52	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.28	3.57	0.31	0.52	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.32	3.13	0.31	0.52	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.28	3.57	0.31	0.52	N, NC, SC, S

Integrity® Casement and Double Hung Round Tops by Marvin					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.34	2.94	0.36	0.60	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.31	3.23	0.36	0.60	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.34	2.94	0.33	0.54	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.31	3.23	0.33	0.54	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.29	3.45	0.31	0.54	N, NC, SC, S

Integrity® Double Hung					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.30	3.33	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.34	2.94	0.29	0.48	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.30	3.33	0.28	0.48	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.29	0.48	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.30	3.33	0.28	0.48	N, NC, SC, S

Integrity® Direct Glaze Transom/Polygon					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.13	0.35	0.61	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.29	3.57	0.35	0.61	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.35	2.86	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.30	3.33	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.32	0.54	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.29	3.45	0.32	0.54	N, NC, SC, S

Integrity® Double Hung Picture					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.32	3.13	0.33	0.57	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.28	3.57	0.33	0.57	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.29	3.45	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.32	3.13	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.28	3.57	0.30	0.51	N, NC, SC, S

Thermal and solar values are subject to update. Values are generated in accordance with NFRC 100-2004 and other applicable NFRC procedures. Argon gas is not available for the altitudes that require capillary tubes. Values are select glazing options, for those options not listed please contact the factory. SHGC = Solar Heat Gain Coefficient. VT = Visible Light Transmittance. ENERGY STAR codes: N = Northern, NC = North Central, SC = South Central, S = Southern.

Thermal Performance

Integrity® Sliding Patio Door					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.32	3.33	0.34	0.58	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.29	3.45	0.34	0.58	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.32	3.33	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.29	3.45	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.32	3.13	0.30	0.51	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.29	3.45	0.30	0.51	N, NC, SC, S

Integrity® Inswing French Door					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.28	0.47	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.30	3.33	0.27	0.47	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.24	0.40	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.30	3.33	0.24	0.40	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.24	0.40	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.30	3.33	0.24	0.40	N, NC, SC, S

Integrity® Sliding French Door					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.29	0.50	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.30	3.33	0.29	0.50	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.26	0.43	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.30	3.33	0.26	0.43	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.26	0.43	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.30	3.33	0.26	0.43	N, NC, SC, S

Integrity® Outswing French Door					
ENERGY DATA	U-Value	R-Value	SHGC	VT	ENERGY STAR
Insulating Glass/Low E II - Air	0.33	3.03	0.28	0.47	N, NC, SC, S
Insulating Glass/Low E II - Argon	0.31	3.23	0.28	0.47	N, NC, SC, S
Insulating Glass/Low E II - Air - GBG	0.33	3.03	0.25	0.40	N, NC, SC, S
Insulating Glass/Low E II - Argon - GBG	0.31	3.23	0.24	0.40	N, NC, SC, S
Insulating Glass/Low E II - Air - SDL	0.33	3.03	0.25	0.40	N, NC, SC, S
Insulating Glass/Low E II - Argon - SDL	0.31	3.23	0.24	0.40	N, NC, SC, S

Thermal and solar values are subject to update. Values are generated in accordance with NFRC 100-2004 and other applicable NFRC procedures. Argon gas is not available for the altitudes that require capillary tubes. Values are select glazing options, for those options not listed please contact the factory. SHGC = Solar Heat Gain Coefficient. VT = Visible Light Transmittance. Energy Star codes: N = Northern, NC = North Central, SC = South Central, S = Southern.