

Accurate Dorwin

A GLASS 8 COMPANY

WINDOW ENERGY PERFORMANCE

Accurate Dorwin windows deliver impressive energy performance.

The combination of our low conductivity fiberglass foam filled frames, warm edge spacer bars and glazing types provide ample selections to meet your energy code requirements and desired level of comfort.

Window Type / Glazing Type		Total Window Values						COG Values				Frame		
		U-factor (imp.)	U-factor (metric)	ER	SHGC	VLT	CR	U-factor (imp.)	U-factor (metric)	SHGC	VLT	U-factor (metric)	U-factor (imp)	
Picture	Triple Pane	Sungate 400 - Argon	0.21	1.19	43	0.51	0.59	68	0.20	1.14	0.62	71	1.23	0.22 (R 4.59)
		Sungate 400 x2 - Argon	0.16	0.91	48	0.48	0.56	75	0.14	0.82	0.58	69		
		Solarban 60 - Argon	0.20	1.14	32	0.30	0.55	69	0.18	1.04	0.36	66		
		Solarban 60 x2 - Argon	0.14	0.79	39	0.28	0.48	77	0.12	0.69	0.34	59		
		Solarban 70 - Argon	0.19	1.08	28	0.21	0.48	70	0.18	1.02	0.24	57		
		Solarban 70 x2 - Argon	0.14	0.79	34	0.19	0.38	78	0.12	0.66	0.22	44		
	Dualpane	Sungate 400 - Argon	0.29	1.65	37	0.57	0.65	60	0.27	1.56	0.68	78		
		Solarban 60 - Argon	0.26	1.48	27	0.33	0.60	61	0.24	1.39	0.40	72		
Casement	Triple Pane	Sungate 400 - Argon	0.22	1.25	36	0.41	0.47	66	0.20	1.14	0.62	71	1.32	0.23 (R 4.29)
		Sungate 400 x2 - Argon	0.19	1.08	38	0.38	0.45	72	0.14	0.82	0.58	69		
		Solarban 60 - Argon	0.21	1.19	28	0.25	0.44	67	0.18	1.04	0.36	66		
		Solarban 60 x2 - Argon	0.17	0.97	32	0.23	0.39	74	0.12	0.69	0.34	59		
		Solarban 70 - Argon	0.21	1.19	24	0.17	0.38	67	0.18	1.02	0.24	57		
		Solarban 70 x2 - Argon	0.17	0.97	28	0.16	0.30	75	0.12	0.66	0.22	44		
	Dualpane	Sungate 400 - Argon	0.28	1.59	32	0.46	0.52	58	0.27	1.56	0.68	78		
		Solarban 60 - Argon	0.26	1.48	23	0.27	0.48	60	0.24	1.39	0.40	72		
Awning	Triple Pane	Sungate 400 - Argon	0.21	1.19	36	0.25	0.44	68	0.20	1.14	0.62	71	1.32	0.23 (R 4.29)
		Sungate 400 x2 - Argon	0.17	0.97	38	0.23	0.39	74	0.14	0.82	0.58	69		
		Solarban 60 - Argon	0.21	1.19	28	0.17	0.38	68	0.18	1.04	0.36	66		
		Solarban 60 x2 - Argon	0.17	0.97	32	0.16	0.30	74	0.12	0.69	0.34	59		
		Solarban 70 - Argon	0.22	1.25	24	0.41	0.47	67	0.18	1.02	0.24	57		
		Solarban 70 x2 - Argon	0.19	1.08	28	0.38	0.45	72	0.12	0.66	0.22	44		
	Dualpane	Sungate 400 - Argon	0.26	1.48	32	0.27	0.48	58	0.27	1.56	0.68	78		
		Solarban 60 - Argon	0.25	1.42	23	0.18	0.42	59	0.24	1.39	0.40	72		
		Solarban 70 - Argon	0.28	1.59	19	0.46	0.52	57	0.24	1.35	0.26	63		

Total Window Values comprises of the frame, sash, warm edge spacers bars and insulated glass.

COG (Centre of Glass) Values comprise the insulated glass only.

All values are based on 3mm glass without grids. Specific information with different glass thickness and grid type are available.

U-Factor is the rate of heat transfer from warm to cold areas in watts per square metre Kelvin (W/m²K) or in British thermal units per hour per square foot Fahrenheit (Btu/h x sq. ft. x °F). In either case, the lower the number, the more efficient the product.

(ER) Energy Rating is a value demonstrating the balance between U-factor, SHGC and air leakage. The higher the number, the more efficient the window.

(SHGC) Solar Heat Gain Coefficient (SHGC) is the fraction of solar radiation admitted through a window transmitted directly and/or absorbed, and subsequently released as heat inside a home. The lower the SHGC, the less solar heat it transmits and the greater its shading ability.

(VLT) Visible Light Transmittance is an optical property that indicates the fraction of visible light transmitted through the window. VT is a whole window rating and includes the impact of the frame area. The higher the VT, the more light is transmitted.

(CR) Condensation Resistance measures how well a window resists the formation of condensation on the inside surface..