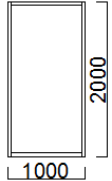
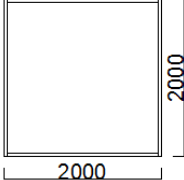
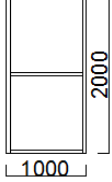
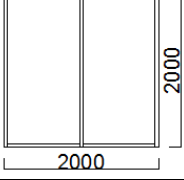
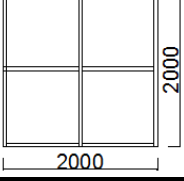


# THERMAL CHARTS

2001 SERIES		GLASS SELECTION CHART													
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E	18.00 DGU 4Clear-10Air-4Clear	18.00 DGU 6.38Clear-8Air-4Clear	18.00 DGU 6.38 Comfort Plus Clear- 8Air-4Clear
	UW	5.8	5.6	5.6	4.0	4.0	4.0	4.1	4.0	3.9	3.9	3.9	3.5	3.6	3.0
	SHGC	0.71	0.68	0.66	0.60	0.43	0.44	0.45	0.56	0.40	0.34	0.42	0.67	0.63	0.53
	TVW	0.76	0.75	0.74	0.70	0.33	0.61	0.50	0.68	0.34	0.51	0.52	0.70	0.69	0.64
	UW	5.7	5.5	5.5	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.3	3.3	2.7
	SHGC	0.75	0.71	0.69	0.62	0.45	0.46	0.47	0.58	0.42	0.53	0.44	0.71	0.66	0.56
	TVW	0.80	0.79	0.79	0.74	0.35	0.64	0.53	0.72	0.36	0.53	0.55	0.74	0.73	0.67
	UW	5.9	5.8	5.7	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	3.7	3.8	3.3
	SHGC	0.69	0.65	0.64	0.67	0.42	0.43	0.44	0.54	0.39	0.33	0.41	0.65	0.61	0.52
	TVW	0.73	0.72	0.72	0.71	0.32	0.58	0.48	0.65	0.33	0.49	0.50	0.67	0.67	0.61
	UW	5.8	5.7	5.6	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.5	3.5	3.0
	SHGC	0.72	0.69	0.67	0.60	0.44	0.45	0.46	0.57	0.41	0.35	0.43	0.68	0.64	0.54
	TVW	0.78	0.76	0.76	0.71	0.34	4.24	0.51	0.69	0.34	0.52	0.53	0.71	0.71	0.65
	UW	5.9	5.8	5.7	4.2	4.2	4.2	4.3	4.2	4.1	4.1	4.1	3.7	3.8	3.2
	SHGC	0.70	0.66	0.65	0.59	0.43	0.43	0.44	0.55	0.40	0.34	0.42	0.66	0.62	0.53
	TVW	0.75	0.73	0.73	0.69	0.33	0.60	0.49	0.67	0.33	0.50	0.51	0.69	0.68	0.63
AFRC Lab Fenestration Performance Report					Notes:										

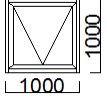
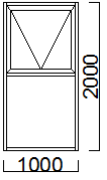
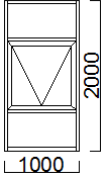
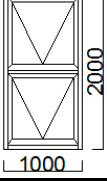
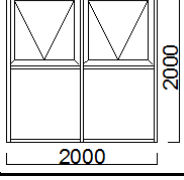
## U - value - Solar Heat Gain Coefficient - Visible Transmittance

**Uw:** U-value measures how well a product prevents heat from escaping the building in winter and entering the building in summer. The lower the U-value (Uw), the better the thermal efficiency.

**SHGC:** Solar Heat Gain Coefficient, measures how well a product blocks heat from the sun's rays. SHGC is expressed as a number between 0 and 1. The lower the SHGC, the better a product is at blocking unwanted heat gain.

**TVw:** Visible Transmittance (Tvw) measures how much light comes through a window. Tvw is expressed as a number between 0 and 1. The higher the number, the more daylight will enter the room.

# THERMAL CHARTS

2001 SERIES 35mm Awning Sash 67 x 45 Front Pocket Frames Single & Double Glazing		GLASS SELECTION CHART													
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E	18.00 DGU 4Clear-10Air-4Clear	18.00 DGU 6.38Clear-8Air-4Clear	18.00 DGU 6.38 Comfort Plus Clear- 8Air-4Clear
	UW	6.4	6.3	6.2	5.2	5.2	5.2	5.2	5.1	5.0	5.0	5.0	4.4	4.5	4.1
	SHGC	0.57	0.54	0.53	0.48	0.36	0.36	0.37	0.45	0.33	0.29	0.35	0.53	0.50	0.43
	TVW	0.58	0.57	0.56	0.53	0.25	0.46	0.38	0.52	0.26	0.38	0.40	0.53	0.53	0.49
	UW	6.2	6.0	6.0	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.0	4.0	3.6
	SHGC	0.62	0.59	0.63	0.52	0.38	0.39	0.40	0.49	0.35	0.30	0.37	0.60	0.56	0.48
	TVW	0.65	0.64	0.63	0.60	0.28	0.52	0.43	0.58	0.29	0.43	0.44	0.62	0.61	0.56
	UW	6.5	6.4	6.3	5.2	5.2	5.7	5.3	5.2	5.1	5.1	5.1	4.2	4.3	3.8
	SHGC	0.59	0.56	0.55	0.50	0.37	0.35	0.39	0.47	0.35	0.30	0.37	0.58	0.54	0.47
	TVW	0.61	0.60	0.59	0.56	0.27	0.43	0.40	0.54	0.27	0.40	0.42	0.59	0.58	0.54
	UW	6.3	6.2	6.1	5.0	5.0	5.0	5.0	4.9	4.8	4.8	4.8	4.4	4.4	4.0
	SHGC	0.58	0.55	0.54	0.49	0.36	0.37	0.37	0.46	0.33	0.29	0.35	0.55	0.51	0.4
	TVW	0.59	0.59	0.58	0.55	0.26	0.47	0.39	0.53	0.26	0.39	0.41	0.55	0.54	0.50
	UW	6.2	6.1	6.0	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.0	4.1	3.6
	SHGC	0.62	0.59	0.57	0.52	0.38	0.39	0.39	0.48	0.35	0.30	0.37	0.60	0.56	0.48
	TVW	0.64	0.63	0.63	0.59	0.28	0.51	0.42	0.57	0.29	0.43	0.44	0.61	0.60	0.56
<b>AFRC Lab Fenestration Performance Report</b>		Notes:													

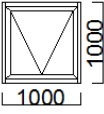
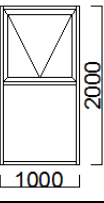
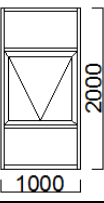
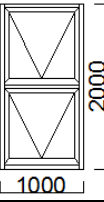
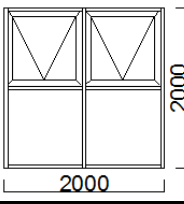
## U - value - Solar Heat Gain Coefficient - Visible Transmittance

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**TVw:** Visible Transmittance (Tvw) measures how much light comes through a window. Tvw is expressed as a number between 0 and 1. The higher the number, the more daylight will enter the room.

# THERMAL CHARTS

2002 SERIES 35mm Awning Sash 100 x 45 Center Pocket Frames Single Glazing		GLASS SELECTION CHART										
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	TYPE F: 6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E
	UW	6.7	6.6	6.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3
	SHGC	0.57	0.54	0.53	0.48	0.36	0.37	0.37	0.45	0.34	0.29	0.35
	TVW	0.58	0.57	0.56	0.53	0.25	0.46	0.38	0.51	0.26	0.38	0.39
	UW	6.5	6.4	6.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0
	SHGC	0.59	0.56	0.55	0.50	0.37	0.38	0.38	0.47	0.34	0.30	0.36
	TVW	0.61	0.60	0.59	0.56	0.27	0.49	0.40	0.54	0.27	0.40	0.42
	UW	6.8	6.5	6.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3
	SHGC	0.61	0.57	0.57	0.52	0.39	0.39	0.40	0.49	0.36	0.31	0.38
	TVW	0.64	0.60	0.62	0.59	0.28	0.51	0.42	0.57	0.28	0.42	0.44
	UW	6.6	6.4	6.4	5.3	5.3	5.3	5.3	4.9	5.2	5.2	5.1
	SHGC	0.58	0.55	0.54	0.49	0.36	0.37	0.37	0.50	0.34	0.29	0.35
	TVW	0.59	0.58	0.58	0.54	0.26	0.47	0.39	0.59	0.26	0.39	0.41
	UW	6.4	6.3	6.2	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8
	SHGC	0.63	0.60	0.59	0.53	0.39	0.40	0.40	0.50	0.36	0.31	0.38
	TVW	0.66	0.65	0.65	0.61	0.29	0.53	0.44	0.59	0.29	0.44	0.45
<b>AFRC Lab Fenestration Performance Report</b>				Notes:								

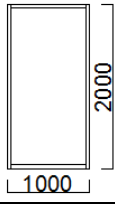
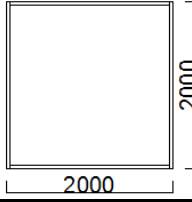
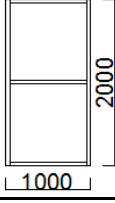
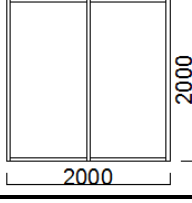
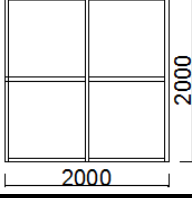
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# THERMAL CHARTS

2002 SERIES		GLASS SELECTION CHART											
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	TYPE F: 6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E	
	Fixed Light	UW	5.9	5.8	5.7	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1
	100 x 45 Center Pocket Frames	SHGC	0.71	0.67	0.66	0.59	0.43	0.44	0.44	0.55	0.40	0.34	0.42
	Single Glazing	TVW	0.76	0.75	0.74	0.70	0.33	0.60	0.50	0.68	0.34	0.50	0.52
	UW	5.8	5.6	5.6	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	
	SHGC	0.74	0.71	0.69	0.62	0.45	0.46	0.47	0.58	0.42	0.35	0.44	
	TVW	0.80	0.79	0.78	0.74	0.35	0.64	0.53	0.71	0.36	0.53	0.55	
	UW	6.1	5.9	5.9	4.4	4.4	4.4	4.5	4.4	4.3	4.3	4.3	
	SHGC	0.69	0.65	0.64	0.57	0.42	0.43	0.43	0.54	0.39	0.33	0.41	
	TVW	0.74	0.72	0.72	0.68	0.32	0.59	0.48	0.65	0.33	0.49	0.50	
	UW	5.9	5.8	5.7	4.1	4.2	4.1	4.2	4.1	4.1	4.1	4.0	
	SHGC	0.72	0.69	0.67	0.60	0.44	0.45	0.45	0.56	0.40	0.34	0.43	
	TVW	0.78	0.76	0.76	0.71	0.34	0.62	0.51	0.69	0.35	0.52	0.53	
	UW	6.1	6.0	5.9	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	
	SHGC	0.70	0.67	0.65	0.59	0.43	0.43	0.44	0.55	0.39	0.34	0.42	
	TVW	0.75	0.74	0.74	0.69	0.33	0.60	0.50	0.67	0.33	0.50	0.52	
AFRC Lab Fenestration Performance Report						Notes:							

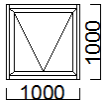
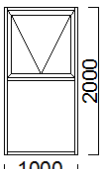
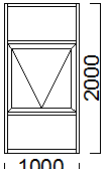
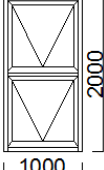
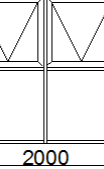
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# THERMAL CHARTS

2003 SERIES		GLASS SELECTION CHART														
		6mm Clear 12mm Air 6mm Clear	10mm Clear 12mm Air 6mm Clear	6mm Grey 12mm Air 6mm Clear	10mm Grey 12mm Air 6mm Clear	6mm Evantage Clear 12mm Air 6mm Clear	6mm Evantage Grey 12mm Air 6mm Clear	6mm Evantage S/Green 12mm Air 6mm Clear	6mm Evantage S/Blue 12mm Air 6mm Clear	6mm Energy Tech Clear 12mm Air 6mm Clear	6mm SoITech (#2) Neutral 12mm Air 6mm Clear	6mm Clear PerformatecHE 6mm SoITech Grey 12mm Air	6mm Clear PerformatecHE 8.76mm Clear Laminated 12mm Argon	6mm Clear Performance 8.76mm Grey Laminated 12mm Argon	6mm Clear Performance 8.38mm Comfort+ Neutral 59 12mm Argon	6mm Clear Performance 8.38mm Comfort+ Blue 44 12mm Argon
	UW	4.6	4.6	4.6	4.6	4.2	4.2	4.2	4.2	4.1	4.0	4.0	3.8	3.8	4.1	4.1
	SHGC	0.49	0.45	0.33	0.27	0.40	0.25	0.23	0.22	0.43	0.26	0.20	0.32	0.24	0.31	0.23
	TVW	0.51	0.49	0.24	0.16	0.40	0.19	0.29	0.23	0.47	0.31	0.23	0.43	0.27	0.34	0.27
	UW	4.2	4.1	4.2	4.1	3.7	3.7	3.7	3.7	3.6	3.5	3.4	3.3	3.3	3.6	3.6
	SHGC	0.55	0.50	0.36	0.29	0.44	0.27	0.24	0.24	0.48	0.28	0.22	0.36	0.26	0.33	0.25
	TVW	0.58	0.56	0.27	0.18	0.46	0.21	0.33	0.26	0.54	0.36	0.27	0.49	0.31	0.39	0.31
	UW	4.7	4.6	4.7	4.6	4.2	4.2	4.2	4.2	4.2	4.0	4.0	3.8	3.8	4.1	4.1
	SHGC	0.54	0.49	0.36	0.29	0.43	0.27	0.24	0.24	0.47	0.28	0.22	0.35	0.26	0.33	0.25
	TVW	0.56	0.54	0.26	0.18	0.44	0.21	0.32	0.25	0.52	0.35	0.26	0.47	0.29	0.37	0.30
	UW	4.5	4.5	4.5	4.5	4.1	4.1	4.1	4.1	4.1	3.9	3.9	3.7	3.7	4.0	4.0
	SHGC	0.50	0.46	0.33	0.27	0.40	0.26	0.23	0.23	0.44	0.27	0.21	0.33	0.25	0.31	0.24
	TVW	0.52	0.50	0.25	0.16	0.41	0.19	0.29	0.23	0.48	0.32	0.24	0.44	0.27	0.35	0.28
	UW	4.2	4.2	4.2	4.2	3.7	3.7	3.7	3.7	3.7	3.5	3.5	3.3	3.3	3.6	3.6
	SHGC	0.55	0.50	0.36	0.29	0.44	0.27	0.24	0.24	0.48	0.28	0.22	0.36	0.26	0.33	0.25
	TVW	0.58	0.56	0.27	0.18	0.46	0.21	0.33	0.26	0.54	0.36	0.27	0.49	0.31	0.39	0.31
AFRC Lab Fenestration Performance Report		Notes:														

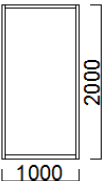
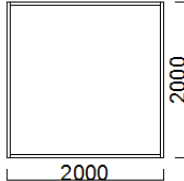
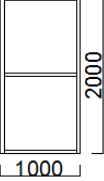
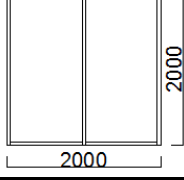
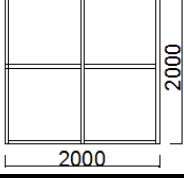
## U - value - Solar Heat Gain Coefficient - Visible Transmittance

**Uw:** U-value measures how well a product prevents heat from escaping the building in winter and entering the building in summer. The lower the U-value (Uw), the better the thermal efficiency.

**SHGC:** Solar Heat Gain Coefficient, measures how well a product blocks heat from the sun's rays. SHGC is expressed as a number between 0 and 1. The lower the SHGC, the better a product is at blocking unwanted heat gain.

**TVw:** Visible Transmittance (TVw) measures how much light comes through a window. TVw is expressed as a number between 0 and 1. The higher the number, the more daylight will enter the room.

# THERMAL CHARTS

2003 SERIES		GLASS SELECTION CHART															
		6mm Clear 12mm Air 6mm Clear	10mm Clear 12mm Air 6mm Clear	6mm Grey 12mm Air 6mm Clear	10mm Grey 12mm Air 6mm Clear	6mm Evantage Clear 12mm Air 6mm Clear	6mm Evantage Grey 12mm Air 6mm Clear	6mm Evantage S/Green 12mm Air 6mm Clear	6mm Evantage S/Blue 12mm Air 6mm Clear	6mm Energy Tech Clear 12mm Air 6mm Clear	6mm Soft Tech (#2) Neutral 12mm Air 6mm Clear	6mm Clear PerformatechE 6mm Soft Tech Grey 12mm Air	6mm Clear PerformatechE 8.76mm Clear Laminated 12mm Argon	6mm Clear Performance 8.76mm Grey Laminated 12mm Argon	6mm Clear Performance 8.38mm Comfort+ Neutral 59 12mm Argon	8.38mm Comfort+ Blue 44 12mm Argon 6mm Clear	
	UW	3.50	3.48	3.50	3.48	2.95	2.95	2.95	2.95	2.87	2.70	2.68	2.46	2.46	2.87	2.86	
	SHGC	0.61	0.55	0.40	0.32	0.49	0.30	0.26	0.26	0.53	0.31	0.23	0.39	0.28	0.37	0.27	
	TVW	0.67	0.65	0.31	0.21	0.52	0.25	0.38	0.30	0.62	0.41	0.31	0.56	0.35	0.44	0.36	
	UW	3.22	3.19	3.22	3.19	2.62	2.62	2.63	2.62	2.54	2.35	2.33	2.09	2.09	2.54	2.53	
	SHGC	0.65	0.58	0.42	0.33	0.51	0.31	0.28	0.27	0.56	0.32	0.24	0.41	0.30	0.38	0.28	
	TVW	0.71	0.68	0.33	0.22	0.55	0.26	0.40	0.31	0.65	0.43	0.33	0.60	0.37	0.47	0.38	
	UW	3.73	3.71	3.73	3.71	3.20	3.20	3.21	3.20	3.13	2.97	2.95	2.74	2.74	3.13	3.12	
	SHGC	0.60	0.54	0.39	0.31	0.47	0.29	0.26	0.25	0.52	0.30	0.23	0.38	0.28	0.36	0.27	
	TVW	0.65	0.63	0.30	0.20	0.51	0.24	0.37	0.29	0.60	0.40	0.30	0.55	0.34	0.43	0.35	
	UW	3.46	3.43	3.46	3.44	2.89	2.89	2.90	2.89	2.82	2.64	2.62	2.39	2.39	2.82	2.80	
	SHGC	0.63	0.56	0.41	0.32	0.50	0.30	0.27	0.26	0.55	0.31	0.24	0.40	0.29	0.37	0.28	
	TVW	0.68	0.66	0.32	0.22	0.54	0.25	0.39	0.31	0.63	0.42	0.32	0.58	0.36	0.45	0.37	
	UW	3.70	3.67	3.70	3.67	3.15	3.15	3.16	3.15	3.08	2.91	2.89	2.68	2.68	3.08	3.07	
	SHGC	0.61	0.55	0.40	0.31	0.48	0.29	0.26	0.26	0.53	0.31	0.23	0.39	0.28	0.37	0.27	
	TVW	0.66	0.64	0.31	0.21	0.52	0.24	0.38	0.30	0.61	0.41	0.31	0.56	0.35	0.44	0.36	
AFRC Lab Fenestration Performance Report		Notes:															

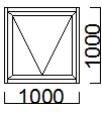
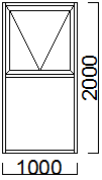
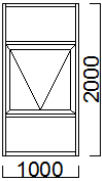
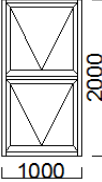
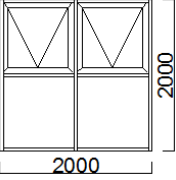
## U - value - Solar Heat Gain Coefficient - Visible Transmittance

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**SHGC:** Solar Heat Gain Coefficient, measures how well a product blocks heat from the sun's rays. SHGC is expressed as a number between 0 and 1. The lower the SHGC, the better a product is at blocking unwanted heat gain.

**TVw:** Visible Transmittance (TVw) measures how much light comes through a window. TVw is expressed as a number between 0 and 1. The higher the number, the more daylight will enter the room.

# THERMAL CHARTS

2005 SERIES		GLASS SELECTION CHART										
		35mm Awning Sash 100 x 45 Front Glazed Frames Single Glazing	6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E
	UW	6.7	6.6	6.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4
	SHGC	0.57	0.54	0.53	0.48	0.36	0.37	0.37	0.45	0.34	0.29	0.35
	TVW	0.58	0.57	0.56	0.53	0.25	0.46	0.38	0.51	0.26	0.38	0.39
	UW	6.4	6.3	6.4	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9
	SHGC	0.64	0.61	0.54	0.54	0.40	0.40	0.41	0.50	0.37	0.32	0.39
	TVW	0.67	0.66	0.58	0.61	0.29	0.53	0.44	0.59	0.30	0.44	0.46
	UW	6.8	6.7	6.6	5.5	5.5	5.5	5.6	5.5	5.4	5.4	5.4
	SHGC	0.63	0.60	0.58	0.53	0.40	0.41	0.41	0.50	0.37	0.33	0.39
	TVW	0.64	0.63	0.63	0.59	0.28	0.51	0.42	0.57	0.29	0.43	0.44
	UW	6.6	6.5	6.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2
	SHGC	0.58	0.55	0.54	0.49	0.36	0.37	0.37	0.46	0.34	0.29	0.36
	TVW	0.59	0.58	0.58	0.54	0.26	0.47	0.39	0.53	0.26	0.39	0.41
	UW	6.5	6.3	6.3	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9
	SHGC	0.64	0.61	0.59	0.54	0.40	0.40	0.41	0.50	0.37	0.32	0.39
	TVW	0.67	0.65	0.65	0.61	0.29	0.53	0.44	0.59	0.30	0.44	0.46
AFRC Lab Fenestration Performance Report		Notes:										

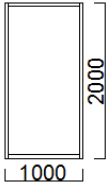
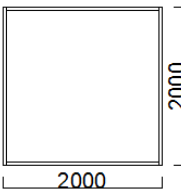
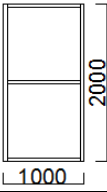
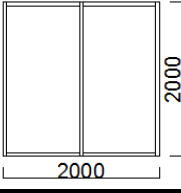
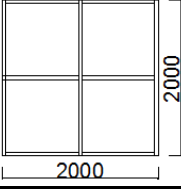
## U - value - Solar Heat Gain Coefficient - Visible Transmittance

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**TVw:** Visible Transmittance (TVw) measures how much light comes through a window. TVw is expressed as a number between 0 and 1. The higher the number, the more daylight will enter the room.

# THERMAL CHARTS

2005 SERIES		GLASS SELECTION CHART										
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E
	Fixed Light											
	100 x 45 Front Glazed Frames											
	Single Glazing											
		UW	6.1	5.9	5.9	4.4	4.4	4.4	4.4	4.3	4.3	4.3
	SHGC	0.72	0.68	0.67	0.60	0.44	0.45	0.45	0.56	0.41	0.35	0.43
	TVW	0.76	0.75	0.75	0.70	0.33	0.61	0.50	0.68	0.34	0.51	0.52
	UW	5.9	5.7	5.7	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9
	SHGC	0.75	0.71	0.70	0.63	0.46	0.46	0.47	0.59	0.42	0.36	0.45
	TVW	0.81	0.79	0.79	0.74	0.35	0.64	0.53	0.72	0.36	0.53	0.55
	UW	6.3	6.1	6.1	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
	SHGC	0.70	0.67	0.65	0.59	0.43	0.44	0.44	0.55	0.40	0.34	0.42
	TVW	0.74	0.73	0.72	0.68	0.32	0.59	0.49	0.66	0.33	0.49	0.51
	UW	6.1	5.9	5.9	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2
	SHGC	0.73	0.70	0.68	0.61	0.45	0.45	0.46	0.57	0.41	0.35	0.44
	TVW	0.78	0.77	0.76	0.72	0.34	0.62	0.52	0.70	0.35	0.52	0.54
	UW	6.3	6.1	6.1	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5
	SHGC	0.72	0.68	0.67	0.60	0.44	0.45	0.45	0.56	0.41	0.35	0.43
	TVW	0.76	0.75	0.74	0.70	0.33	0.61	0.50	0.68	0.34	0.50	0.52
AFRC Lab Fenestration Performance Report		Notes:										

## U - value - Solar Heat Gain Coefficient - Visible Transmittance

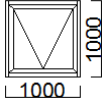
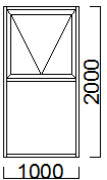
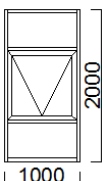
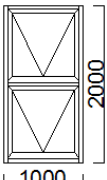
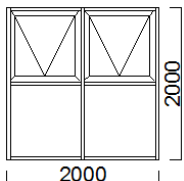
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# THERMAL CHARTS

2006 SERIES		GLASS SELECTION CHART												
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E		
<b>35mm Awning Sash</b> <b>150 x 50 Front Glazed Frames</b> <b>Single Glazing</b>			UW	7.1	6.9	6.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8
			SHGC	0.57	0.54	0.53	0.49	0.37	0.37	0.38	0.46	0.34	0.30	0.36
			TVW	0.58	0.57	0.56	0.53	0.25	0.46	0.38	0.51	0.26	0.38	0.39
		UW	6.7	6.6	6.6	5.3	5.4	5.3	5.4	5.3	5.3	5.3	5.2	
		SHGC	0.64	0.61	0.60	0.54	0.40	0.41	0.41	0.51	0.37	0.32	0.39	
		TVW	0.66	0.65	0.65	0.61	0.29	0.53	0.44	0.59	0.29	0.44	0.45	
		UW	7.2	7.0	7.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	
		SHGC	0.63	0.60	0.59	0.53	0.40	0.41	0.42	0.50	0.38	0.33	0.40	
		TVW	0.64	0.63	0.62	0.59	0.28	0.51	0.42	0.57	0.28	0.42	0.44	
		UW	6.8	6.7	6.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	
		SHGC	0.59	0.56	0.55	0.50	0.37	0.38	0.38	0.47	0.34	0.30	0.36	
		TVW	0.59	0.58	0.58	0.55	0.26	0.47	0.39	0.53	0.26	0.39	0.41	
		UW	6.8	6.6	6.6	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	
		SHGC	0.66	0.62	0.61	0.55	0.41	0.41	0.42	0.52	0.38	0.33	0.40	
		TVW	0.68	0.67	0.67	0.63	0.30	0.54	0.45	0.61	0.30	0.45	0.47	
<b>AFRC Lab Fenestration Performance Report</b>			<b>Notes:</b>											

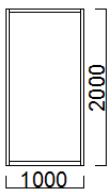
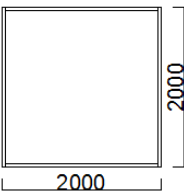
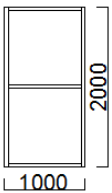
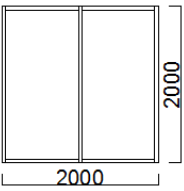
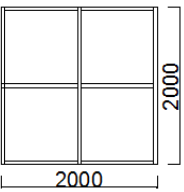
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# THERMAL CHARTS

2006 SERIES		GLASS SELECTION CHART												
		6.38 / 6.5 Clear Laminated	10.38 / 10.5 Clear Laminated	12.38 / 12.5 Clear Laminated	6.38 Comfort Plus Clear - Low E	6.38 Comfort Plus Grey - Low E	6.38 Comfort Plus Green - Low E	6.38 Comfort Plus Neutral - Low E	12.38 Comfort Plus Clear - Low E	12.38 Comfort Plus Grey - Low E	12.38 Comfort Plus Green - Low E	12.38 Comfort Plus Neutral - Low E		
<b>Fixed Light</b> <b>150 x 50 Front Glazed Frames</b> <b>Single Glazing</b>			<b>Uw</b>	6.3	6.2	6.1	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.5
			<b>SHGC</b>	0.72	0.68	0.67	0.60	0.44	0.45	0.45	0.56	0.41	0.35	0.43
			<b>TVw</b>	0.76	0.75	0.74	0.70	0.33	0.60	0.50	0.68	0.34	0.50	0.52
			<b>Uw</b>	6.0	5.9	5.8	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1
			<b>SHGC</b>	0.75	0.71	0.70	0.63	0.46	0.46	0.47	0.59	0.42	0.36	0.45
			<b>TVw</b>	0.80	0.79	0.78	0.74	0.35	0.64	0.53	0.71	0.36	0.53	0.55
			<b>Uw</b>	6.6	6.4	6.4	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9
			<b>SHGC</b>	0.70	0.66	0.65	0.59	0.43	0.44	0.45	0.55	0.40	0.34	0.42
			<b>TVw</b>	0.74	0.72	0.72	0.68	0.32	0.59	0.48	0.65	0.33	0.49	0.50
			<b>Uw</b>	6.3	6.2	6.1	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5
			<b>SHGC</b>	0.73	0.70	0.68	0.61	0.45	0.46	0.46	0.57	0.42	0.35	0.44
			<b>TVw</b>	0.78	0.77	0.76	0.71	0.34	0.62	0.51	0.69	0.35	0.52	0.53
			<b>Uw</b>	6.6	6.4	6.4	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9
			<b>SHGC</b>	0.71	0.68	0.66	0.60	0.44	0.45	0.45	0.56	0.41	0.35	0.43
			<b>TVw</b>	0.75	0.74	0.74	0.69	0.33	0.60	0.50	0.67	0.33	0.50	0.52
<b>AFRC Lab Fenestration Performance Report</b>			Notes:											

## U - value - Solar Heat Gain Coefficient - Visible Transmittance

**Uw:** U-value measures how well a product prevents heat from escaping the building in winter and entering the building in summer. The lower the U-value (Uw), the better the thermal efficiency.

**SHGC:** Solar Heat Gain Coefficient, measures how well a product blocks heat from the sun's rays. SHGC is expressed as a number between 0 and 1. The lower the SHGC, the better a product is at blocking unwanted heat gain.

**TVw:** Visible Transmittance (TVw) measures how much light comes through a window. TVw is expressed as a number between 0 and 1. The higher the number, the more daylight will enter the room.