

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS

Report No: N5493.01-116-45 R0

Date: 03/29/22

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (1200 Fixed Offset)												
Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
1	XL Edge: E272 / arg / clr (5mm/5mm) 3/4" IG											
	0.187	0.375	0.185					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.35				VT(N) 0.59		CR 31		
2	XL Edge: E272 / arg / lami (5mm/DS 030PVB DS) 3/4" IG											
	0.187	0.283	0.264					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.46			SHGC(N) 0.35				VT(N) 0.58		CR 31		
3	XL Edge: E366 / arg / clr (5mm/5mm) 3/4" IG											
	0.185	0.375	0.185					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.24				VT(N) 0.53		CR 31		
4	XL Edge: E366 / arg / clr (DS/DS) 3/4" IG											
	0.118	0.500	0.118					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.24				VT(N) 0.54		CR 31		
5	XL Edge: E272 / arg / i89 (5mm/5mm) 3/4" IG											
	0.187	0.375	0.187					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.34				VT(N) 0.58		CR 30		
6	XL Edge: E366 / arg / i89 (5mm/5mm) 3/4" IG											
	0.185	0.375	0.187					ARG95	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.37			SHGC(N) 0.23				VT(N) 0.52		CR 30		
7	Viracon SS: VE12M / arg / clr (6mm/DS) 3/4" IG											
	0.223	0.375	0.120					ARG95	0.040(#2)	CL	SS-D	N
	U-Factor 0.43			SHGC(N) 0.33				VT(N) 0.60		CR 30		
8	Viracon VTS: VE12M / arg / clr (6mm/DS) 3/4" IG											
	0.223	0.375	0.120					ARG95	0.040(#2)	CL	TP-S	N
	U-Factor 0.42			SHGC(N) 0.33				VT(N) 0.60		CR 30		
9	Chromatech: SN68 / arg / lami (5mm/DS 030PVB DS) 3/4" IG											
	0.182	0.283	0.264					ARG95	0.039(#2)	CL	SS-D	N
	U-Factor 0.46			SHGC(N) 0.33				VT(N) 0.57		CR 30		
10	Chromatech: SN68 / arg / clr (5mm/5mm) 3/4" IG											
	0.182	0.375	0.182					ARG95	0.039(#2)	CL	SS-D	N
	U-Factor 0.43			SHGC(N) 0.33				VT(N) 0.57		CR 30		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (1200 Fixed Offset)												
Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft ² -F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
11	Chromatech: SB60 / arg / clr (5mm/5mm) 3/4" IG											
	0.184	0.375	0.184					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.43			SHGC(N) 0.34				VT(N) 0.59		CR 30		
12	Chromatech: SB70 / arg / clr (5mm/5mm) 3/4" IG											
	0.184	0.375	0.184					ARG95	0.018(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.24				VT(N) 0.54		CR 30		
13	Chromatech Ultra: SN68 / arg / clr (5mm/5mm) 3/4" IG											
	0.182	0.375	0.182					ARG95	0.039(#2)	CL	TS-D	N
	U-Factor 0.42			SHGC(N) 0.33				VT(N) 0.57		CR 31		
14	Chromatech Ultra: SB70 / arg / clr (5mm/5mm) 3/4" IG											
	0.184	0.375	0.184					ARG95	0.018(#2)	CL	TS-D	N
	U-Factor 0.41			SHGC(N) 0.24				VT(N) 0.54		CR 31		
15	Chromatech Ultra: SNX6227 / arg / clr (5mm/5mm) 3/4" IG											
	0.182	0.375	0.182					ARG95	0.020(#2)	CL	TS-D	N
	U-Factor 0.42			SHGC(N) 0.23				VT(N) 0.52		CR 31		
16	Chromatech Ultra: SNX6227 / arg / IS20 (5mm/5mm) 3/4" IG											
	0.182	0.375	0.182					ARG95	0.020(#2) / 0.198(#4)	CL	TS-D	N
	U-Factor 0.38			SHGC(N) 0.22				VT(N) 0.50		CR 30		
17	Technoform: SB70 / arg / clr (5mm/5mm) 3/4" IG											
	0.184	0.375	0.184					ARG95	0.018(#2)	CL	TS-D	N
	U-Factor 0.41			SHGC(N) 0.24				VT(N) 0.54		CR 31		