

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS CORP.

Report No: N3597.01-116-45 R2

Date: 03/10/22

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (SR6800 Fixed)												
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/AIR/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					AIR	0.042(#2)	CL	SS-D	N
	U-Factor 0.34			SHGC(N) 0.37				VT(N) 0.63		CR 52		
2	XL Edge: E272/ARG/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.36				VT(N) 0.63		CR 55		
3	XL Edge: E366/ARG/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.29			SHGC(N) 0.25				VT(N) 0.56		CR 56		
4	XL Edge: E340/ARG/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					ARG95	0.028(#2)	CL	SS-D	N
	U-Factor 0.29			SHGC(N) 0.17				VT(N) 0.34		CR 55		
5	XL Edge: E272/ARG/LAMI (6M/3M .030PVB 3M) 1" IG											
	0.224	0.486	0.264					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.36				VT(N) 0.62		CR 56		
6	XL Edge: E272/ARG/i89 (6M/6M) 1" IG											
	0.224	0.500	0.223					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.26			SHGC(N) 0.35				VT(N) 0.61		CR 55		
7	XL Edge: E366/ARG/i89 (6M/6M) 1" IG											
	0.224	0.500	0.223					ARG95	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.26			SHGC(N) 0.24				VT(N) 0.55		CR 56		
8	Endur: E272/AIR/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					AIR	0.042(#2)	CL	SS-D	N
	U-Factor 0.34			SHGC(N) 0.37				VT(N) 0.63		CR 53		
9	Endur: E272/ARG/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.36				VT(N) 0.63		CR 56		
10	Endur: E366/ARG/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.29			SHGC(N) 0.25				VT(N) 0.56		CR 56		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (SR6800 Fixed)												
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)		
11	Endur: E340/ARG/CLR (6M/6M) 1" IG											
	0.224	0.500	0.224					ARG95	0.028(#2)	CL	SS-D	N
	U-Factor 0.29			SHGC(N) 0.17				VT(N) 0.34		CR 56		
12	Endur: E272/ARG/LAMI (6M/3M .030PVB 3M) 1" IG											
	0.224	0.486	0.264					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.36				VT(N) 0.62		CR 57		
13	Endur: E272/ARG/i89 (6M/6M) 1" IG											
	0.224	0.500	0.223					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.26			SHGC(N) 0.35				VT(N) 0.61		CR 55		
14	Endur: E366/ARG/i89 (6M/6M) 1" IG											
	0.224	0.500	0.223					ARG95	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.26			SHGC(N) 0.24				VT(N) 0.55		CR 56		
15	Chromatech: SN68/ARG/LAMI (6M/3M .060PVB 3M) 1" IG											
	0.221	0.456	0.294					ARG95	0.039(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.34				VT(N) 0.60		CR 53		
16	Chromatech: SN68/ARG/CLR (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.039(#2)	CL	SS-D	N
	U-Factor 0.31			SHGC(N) 0.34				VT(N) 0.61		CR 52		
17	Chromatech: SNX6227/ARG/CLR (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.24				VT(N) 0.55		CR 52		
18	Chromatech: SNX5123/ARG/CLR (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.021(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.21				VT(N) 0.46		CR 52		
19	Chromatech: SB60/ARG/CLR (6M/6M) 1" IG											
	0.223	0.500	0.223					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.31			SHGC(N) 0.35				VT(N) 0.63		CR 52		
20	Chromatech: SB70/ARG/CLR (6M/6M) 1" IG											
	0.223	0.500	0.223					ARG95	0.018(#2)	CL	SS-D	N
	U-Factor 0.30			SHGC(N) 0.24				VT(N) 0.58		CR 52		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (SR6800 Fixed)												
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)		
21	Chromatech: SN68/ARG/IS20 (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.039(#2) / 0.198(#4)	CL	SS-D	N
	U-Factor 0.28			SHGC(N) 0.33				VT(N) 0.59		CR 53		
22	Chromatech: SNX6227/ARG/IS20 (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.023(#2) / 0.198(#4)	CL	SS-D	N
	U-Factor 0.27			SHGC(N) 0.23				VT(N) 0.52		CR 53		
23	Chromatech Ultra: SN68/ARG/LAMI (6M/3M .060PVB 3M) 1" IG											
	0.221	0.456	0.294					ARG95	0.039(#2)	CL	TS-D	N
	U-Factor 0.29			SHGC(N) 0.34				VT(N) 0.60		CR 56		
24	Chromatech Ultra: SN68/ARG/CLR (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.039(#2)	CL	TS-D	N
	U-Factor 0.30			SHGC(N) 0.34				VT(N) 0.61		CR 55		
25	Chromatech Ultra: SNX6227/ARG/CLR (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.020(#2)	CL	TS-D	N
	U-Factor 0.29			SHGC(N) 0.24				VT(N) 0.55		CR 56		
26	Chromatech Ultra: SNX5123/ARG/CLR (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.021(#2)	CL	TS-D	N
	U-Factor 0.29			SHGC(N) 0.21				VT(N) 0.46		CR 56		
27	Chromatech Ultra: SB60/ARG/CLR (6M/6M) 1" IG											
	0.223	0.500	0.223					ARG95	0.035(#2)	CL	TS-D	N
	U-Factor 0.30			SHGC(N) 0.35				VT(N) 0.63		CR 55		
28	Chromatech Ultra: SB70/ARG/CLR (6M/6M) 1" IG											
	0.223	0.500	0.223					ARG95	0.018(#2)	CL	TS-D	N
	U-Factor 0.29			SHGC(N) 0.24				VT(N) 0.58		CR 56		
29	Chromatech Ultra: SN68/ARG/IS20 (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.039(#2) / 0.198(#4)	CL	TS-D	N
	U-Factor 0.27			SHGC(N) 0.33				VT(N) 0.59		CR 56		
30	Chromatech Ultra: SNX6227/ARG/IS20 (6M/6M) 1" IG											
	0.221	0.500	0.221					ARG95	0.023(#2) / 0.198(#4)	CL	TS-D	N
	U-Factor 0.26			SHGC(N) 0.23				VT(N) 0.52		CR 57		

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SECTION 6 (Continued)

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TOTAL PRODUCT CALCULATIONS (SR6800 Fixed)													
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)			
31	Viracon SS: VE12M/ARG/CLR (6M/6M) 1" IG												
	0.223	0.456	0.294					ARG95	0.040(#2)	CL	TS-D	N	
	U-Factor		0.30	SHGC(N)			0.34	VT(N)		0.63	CR		54