

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS

Report No: Q0909.01-116-45 R1

Date: 06/26/23

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GT2200 Double Hung)												
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)		
1	XL Edge: CLR / ARG95 / LoE 180 ESC (6MM/6MM) - 1" IG											
	0.224	0.500	0.224					ARG95	0.080(#3)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.48				VT(N) 0.55		CR 49		
2	XL Edge: E270 / ARG95 / CLR (5MM/5MM) - 1" IG											
	0.185	0.625	0.185					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.27				VT(N) 0.49		CR 49		
3	XL Edge: E270 / ARG95 / CLR (6MM/6MM) - 1" IG											
	0.224	0.500	0.224					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.27				VT(N) 0.48		CR 50		
4	XL Edge: E272 / ARG95 / CLR (5MM/5MM) - 1" IG											
	0.187	0.625	0.185					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.30				VT(N) 0.50		CR 49		
5	XL Edge: E272 / ARG95 / CLR (6MM/6MM) - 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.30				VT(N) 0.50		CR 49		
6	XL Edge: E272 / ARG95 / LAMI030 (5MM/3MM-060 PVB-3MM) - 1" IG											
	0.187	0.500	0.294					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.30				VT(N) 0.50		CR 49		
7	XL Edge: E366 / ARG95 / CLR (6MM/6MM) - 1" IG											
	0.224	0.500	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.20				VT(N) 0.45		CR 50		
8	XL Edge: E340 / ARG95 / CLR (6MM/6MM) - 1" IG											
	0.224	0.500	0.224					ARG95	0.028(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.14				VT(N) 0.27		CR 50		
9	XL Edge: E272 / ARG95 / i89 (6MM/6MM) - 1" IG											
	0.224	0.500	0.223					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.29				VT(N) 0.49		CR 43		
10	Chromatech: SN68 / ARG90 / CLR (5MM/5MM) - 1" IG											
	0.182	0.625	0.182					ARG95	0.039(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.28				VT(N) 0.49		CR 48		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GT2200 Double Hung)												
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: SN68 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.221	0.500	0.221					ARG90	0.039(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.28				VT(N) 0.48		CR 48		
12	Chromatech: SNX 62/27 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.20				VT(N) 0.44		CR 48		
13	Chromatech: SB60 / ARG90 / CLR (5MM/5MM) - 1" IG											
	0.184	0.625	0.184					ARG90	0.035(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.29				VT(N) 0.51		CR 48		
14	Chromatech: SB60 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.223	0.500	0.223					ARG90	0.035(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.29				VT(N) 0.50		CR 48		
15	Chromatech: SB70 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.20				VT(N) 0.46		CR 48		
16	Technoform SP16: SB70 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	TP-S	N
	U-Factor 0.38			SHGC(N) 0.20				VT(N) 0.46		CR 50		
17	Chromatech Ultra: SNX 62/27 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	TS-D	N
	U-Factor 0.39			SHGC(N) 0.20				VT(N) 0.44		CR 50		
18	Chromatech Ultra: SNX 51/23 / ARG90 / CLR (6MM/6MM) - 1" IG											
	0.221	0.500	0.221					ARG90	0.021(#2)	CL	TS-D	N
	U-Factor 0.39			SHGC(N) 0.17				VT(N) 0.36		CR 49		
19	Chromatech Ultra: SNX 62/27 / ARG90 / IS20 (6MM/6MM) - 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2) / 0.198(#4)	CL	TS-D	N
	U-Factor 0.36			SHGC(N) 0.19				VT(N) 0.43		CR 44		