

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers > 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
391	Clear/Air 5mm	0.197, 0.197	0.601	AIR		A1-D	N,G	0.64	27	CL	0.51	0.53	0.46	0.47	0.42	0.42
392	Clear/Air 6mm	0.236, 0.236	0.538	AIR		A1-D	N,G	0.63	27	CL	0.50	0.52	0.46	0.47	0.41	0.42
393	Clear/Arg 5mm	0.197, 0.197	0.601	ARG		A1-D	N,G	0.62	27	CL	0.51	0.53	0.46	0.47	0.42	0.42
394	Clear/Arg 6mm	0.236, 0.236	0.538	ARG		A1-D	N,G	0.62	27	CL	0.50	0.52	0.46	0.47	0.41	0.42
395	SN68/Air 5mm	0.197, 0.197	0.601	AIR	0.039(2)	A1-D	N,G	0.53	28	CL	0.26	0.44	0.24	0.40	0.22	0.36
	sBZ-SN68/Air 5mm	0.197, 0.197	0.601	AIR	0.039(3)	A1-D	N,G	0.53	28	BZ	0.24	0.29	0.22	0.26	0.20	0.23
396	SN68/Air 6mm	0.236, 0.236	0.538	AIR	0.039(2)	A1-D	N,G	0.53	28	CL	0.26	0.44	0.24	0.40	0.22	0.36
	sBZ-SN68/Air 6mm	0.236, 0.236	0.538	AIR	0.039(3)	A1-D	N,G	0.53	28	BZ	0.22	0.26	0.21	0.24	0.19	0.21
397	SN68/Arg 5mm	0.197, 0.197	0.601	ARG	0.039(2)	A1-D	N,G	0.50	28	CL	0.26	0.44	0.24	0.40	0.22	0.36
398	SN68/Arg 6mm	0.236, 0.236	0.538	ARG	0.039(2)	A1-D	N,G	0.50	28	CL	0.26	0.44	0.24	0.40	0.22	0.36
399	SNX62/Air 5mm	0.197, 0.197	0.601	AIR	0.020(2)	A1-D	N,G	0.53	28	CL	0.19	0.40	0.18	0.36	0.16	0.33
400	SNX62/Air 6mm	0.236, 0.236	0.538	AIR	0.020(2)	A1-D	N,G	0.52	28	CL	0.19	0.40	0.18	0.36	0.16	0.32
401	SNX62/Arg 5mm	0.197, 0.197	0.601	ARG	0.020(2)	A1-D	N,G	0.50	28	CL	0.19	0.40	0.17	0.36	0.16	0.33
402	SNX62/Arg 6mm	0.236, 0.236	0.538	ARG	0.020(2)	A1-D	N,G	0.50	28	CL	0.19	0.40	0.17	0.36	0.16	0.32
403	SN68/Air/Clr/Air/SN68 5mm	0.197, 0.197, 0.197	0.444, 0.444	AIR	0.039(2) 0.039(5)	A1-D	N,G	0.45	30	CL	0.23	0.34	0.21	0.31	0.19	0.27
404	SN68/Arg/Clr/Arg/SN68 5mm	0.197, 0.197, 0.197	0.444, 0.444	ARG	0.039(2) 0.039(5)	A1-D	N,G	0.42	30	CL	0.23	0.34	0.21	0.31	0.19	0.27
405	SNX62/Air/Clr/Air/SNX62 5mm	0.197, 0.197, 0.197	0.444, 0.444	AIR	0.020(2) 0.020(5)	A1-D	N,G	0.44	30	CL	0.17	0.28	0.15	0.25	0.14	0.23
406	SNX62/Arg/Clr/Arg/SNX62 5mm	0.197, 0.197, 0.197	0.444, 0.444	ARG	0.020(2) 0.020(5)	A1-D	N,G	0.42	30	CL	0.17	0.28	0.15	0.25	0.14	0.23
407	SN68/Air/Clr/Air/SN68 6mm	0.236, 0.236, 0.236	0.397, 0.397	AIR	0.039(2) 0.039(5)	A1-D	N	0.45	30	CL	0.23	0.33				
408	SN68/Arg/Clr/Arg/SN68 6mm	0.236, 0.236, 0.236	0.397, 0.397	ARG	0.039(2) 0.039(5)	A1-D	N	0.43	30	CL	0.22	0.33				
409	SN68/Air/Clr/Air/SN68 6mm	0.236, 0.236, 0.236	0.397, 0.397	AIR	0.039(2) 0.039(5)	A1-D	G	0.46	30	CL			0.21	0.30		
410	SN68/Arg/Clr/Arg/SN68 6mm	0.236, 0.236, 0.236	0.397, 0.397	ARG	0.039(2) 0.039(5)	A1-D	G	0.43	30	CL			0.21	0.30		
411	SN68/Air/Clr/Air/SN68 6mm	0.236, 0.236, 0.236	0.397, 0.397	AIR	0.039(2) 0.039(5)	A1-D	G	0.46	30	CL					0.19	0.27
412	SN68/Arg/Clr/Arg/SN68 6mm	0.236, 0.236, 0.236	0.397, 0.397	ARG	0.039(2) 0.039(5)	A1-D	G	0.43	30	CL					0.19	0.27

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

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Simulation Report # FLE21004-SS

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Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers ≥ 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
413	SNX62/Air/Ctrl/Air/SNX62 6mm	0.236, 0.236, 0.236	0.397, 0.397	AIR	0.020(2) 0.020(5)	A1-D	N	0.45	30	CL	0.17	0.28				
414	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.397, 0.397	ARG	0.020(2) 0.020(5)	A1-D	N	0.43	30	CL	0.17	0.28				
415	SNX62/Air/Ctrl/Air/SNX62 6mm	0.236, 0.236, 0.236	0.397, 0.397	AIR	0.020(2) 0.020(5)	A1-D	G	0.45	30	CL			0.15	0.25		
416	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.397, 0.397	ARG	0.020(2) 0.020(5)	A1-D	G	0.43	30	CL			0.15	0.25		
417	SNX62/Air/Ctrl/Air/SNX62 6mm	0.236, 0.236, 0.236	0.397, 0.397	AIR	0.020(2) 0.020(5)	A1-D	G	0.45	30	CL					0.14	0.22
418	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.397, 0.397	ARG	0.020(2) 0.020(5)	A1-D	G	0.43	30	CL					0.14	0.22
419	SN68/Air 5mm	0.197, 0.197	0.596	AIR	0.039(2)	TS-D	N,G	0.52	29	CL	0.26	0.44	0.24	0.40	0.22	0.36
420	SN68/Air 6mm	0.236, 0.236	0.534	AIR	0.039(2)	TS-D	N,G	0.51	29	CL	0.26	0.44	0.24	0.40	0.22	0.36
421	SN68/Arg 5mm	0.197, 0.197	0.596	ARG	0.039(2)	TS-D	N,G	0.49	29	CL	0.26	0.44	0.24	0.40	0.22	0.36
422	SN68/Arg 6mm	0.236, 0.236	0.534	ARG	0.039(2)	TS-D	N,G	0.49	29	CL	0.26	0.44	0.24	0.40	0.22	0.36
423	SNX62/Air 5mm	0.197, 0.197	0.596	AIR	0.020(2)	TS-D	N,G	0.51	29	CL	0.19	0.40	0.18	0.36	0.16	0.33
424	SNX62/Air 6mm	0.236, 0.236	0.534	AIR	0.020(2)	TS-D	N,G	0.51	29	CL	0.19	0.40	0.18	0.36	0.16	0.32
425	SNX62/Arg 5mm	0.197, 0.197	0.596	ARG	0.020(2)	TS-D	N,G	0.48	29	CL	0.19	0.40	0.17	0.36	0.16	0.33
426	SNX62/Arg 6mm	0.236, 0.236	0.534	ARG	0.020(2)	TS-D	N,G	0.48	29	CL	0.19	0.40	0.17	0.36	0.16	0.32
427	SN68-IS20/Air 5mm	0.197, 0.197	0.596	AIR	0.039(2) 0.198(4)	TS-D	N,G	0.47	28	CL	0.26	0.43	0.24	0.39	0.22	0.35
428	SN68-IS20/Air 6mm	0.236, 0.236	0.534	AIR	0.039(2) 0.198(4)	TS-D	N,G	0.47	28	CL	0.25	0.43	0.23	0.38	0.21	0.34
429	SN68-IS20/Arg 5mm	0.197, 0.197	0.596	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.45	29	CL	0.26	0.43	0.23	0.39	0.21	0.35
430	SN68-IS20/Arg 6mm	0.236, 0.236	0.534	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.45	28	CL	0.25	0.43	0.23	0.38	0.21	0.34
431	SNX62-IS20/Air 5mm	0.197, 0.197	0.596	AIR	0.020(2) 0.198(4)	TS-D	N,G	0.47	29	CL	0.19	0.39	0.17	0.35	0.16	0.32
432	SNX62-IS20/Air 6mm	0.236, 0.236	0.534	AIR	0.020(2) 0.198(4)	TS-D	N,G	0.47	28	CL	0.19	0.39	0.17	0.35	0.16	0.31
433	SNX62-IS20/Arg 5mm	0.197, 0.197	0.596	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.45	29	CL	0.18	0.39	0.17	0.35	0.16	0.32
434	SNX62-IS20/Arg 6mm	0.236, 0.236	0.534	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.45	29	CL	0.18	0.39	0.17	0.35	0.16	0.31
435	SN68/Air/Ctrl/Air/SN68 5mm	0.197, 0.197, 0.197	0.440, 0.440	AIR	0.039(2) 0.039(5)	TS-D	N,G	0.43	31	CL	0.23	0.34	0.21	0.31	0.19	0.27
436	SN68/Arg/Ctrl/Arg/SN68 5mm	0.197, 0.197, 0.197	0.440, 0.440	ARG	0.039(2) 0.039(5)	TS-D	N,G	0.41	31	CL	0.23	0.34	0.21	0.31	0.19	0.27

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Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers ≥ 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
437	SNX62/Air/Ctrl/Air/SNX62 5mm	0.197, 0.197, 0.197	0.440, 0.440	AIR	0.020(2) 0.020(5)	TS-D	N,G	0.43	31	CL	0.17	0.28	0.15	0.25	0.14	0.23
438	SNX62/Arg/Ctrl/Arg/SNX62 5mm	0.197, 0.197, 0.197	0.440, 0.440	ARG	0.020(2) 0.020(5)	TS-D	N,G	0.41	31	CL	0.17	0.28	0.15	0.25	0.14	0.23
439	SN68/Air/SN68/Air/IS20 5mm	0.197, 0.197, 0.197	0.440, 0.440	AIR	0.039(2) 0.039(4) 0.198(6)	TS-D	N,G	0.41	30	CL	0.20	0.33	0.19	0.30	0.17	0.27
440	SN68/Arg/SN68/Arg/IS20 5mm	0.197, 0.197, 0.197	0.440, 0.440	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	N,G	0.40	30	CL	0.20	0.33	0.19	0.30	0.17	0.27
441	SNX62/Air/SNX62/Air/IS20 5mm	0.197, 0.197, 0.197	0.440, 0.440	AIR	0.020(2) 0.020(4) 0.198(6)	TS-D	N,G	0.41	30	CL	0.14	0.27	0.13	0.25	0.12	0.22
442	SNX62/Arg/SNX62/Arg/IS20 5mm	0.197, 0.197, 0.197	0.440, 0.440	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	N,G	0.39	30	CL	0.14	0.27	0.13	0.25	0.12	0.22
443	SN68/Air/Ctrl/Air/SN68 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.039(2) 0.039(5)	TS-D	N	0.44	31	CL	0.23	0.33				
444	SN68/Arg/Ctrl/Arg/SN68 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.039(2) 0.039(5)	TS-D	N	0.42	31	CL	0.22	0.33				
445	SN68/Air/Ctrl/Air/SN68 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.039(2) 0.039(5)	TS-D	G	0.44	31	CL			0.21	0.30		
446	SN68/Arg/Ctrl/Arg/SN68 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.039(2) 0.039(5)	TS-D	G	0.42	31	CL			0.21	0.30		
447	SN68/Air/Ctrl/Air/SN68 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.039(2) 0.039(5)	TS-D	G	0.44	31	CL					0.19	0.27
448	SN68/Arg/Ctrl/Arg/SN68 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.039(2) 0.039(5)	TS-D	G	0.42	31	CL					0.19	0.27
449	SNX62/Air/Ctrl/Air/SNX62 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.020(2) 0.020(5)	TS-D	N	0.44	31	CL	0.17	0.28				
450	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.020(2) 0.020(5)	TS-D	N	0.41	31	CL	0.17	0.28				
451	SNX62/Air/Ctrl/Air/SNX62 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.020(2) 0.020(5)	TS-D	G	0.44	31	CL			0.15	0.25		
452	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.020(2) 0.020(5)	TS-D	G	0.41	31	CL			0.15	0.25		
453	SNX62/Air/Ctrl/Air/SNX62 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.020(2) 0.020(5)	TS-D	G	0.44	31	CL					0.14	0.22
454	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.020(2) 0.020(5)	TS-D	G	0.41	31	CL					0.14	0.22
455	SN68/Air/SN68/Air/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.039(2) 0.039(4) 0.198(6)	TS-D	N	0.42	30	CL	0.20	0.32				
456	SN68/Arg/SN68/Arg/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	N	0.40	30	CL	0.20	0.32				
457	SN68/Air/SN68/Air/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.039(2) 0.039(4) 0.198(6)	TS-D	G	0.42	30	CL			0.19	0.29		
458	SN68/Arg/SN68/Arg/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	G	0.40	30	CL			0.19	0.29		
459	SN68/Air/SN68/Air/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.039(2) 0.039(4) 0.198(6)	TS-D	G	0.42	30	CL					0.17	0.26
460	SN68/Arg/SN68/Arg/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	G	0.40	30	CL					0.17	0.26

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Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers > 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
461	SNX62/Air/SNX62/Air/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.020(2) 0.020(4) 0.198(6)	TS-D	N	0.41	30	CL	0.15	0.27				
462	SNX62/Arg/SNX62/Arg/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	N	0.39	30	CL	0.14	0.27				
463	SNX62/Air/SNX62/Air/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.020(2) 0.020(4) 0.198(6)	TS-D	G	0.42	30	CL			0.13	0.24		
464	SNX62/Arg/SNX62/Arg/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	G	0.40	30	CL			0.13	0.24		
465	SNX62/Air/SNX62/Air/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	AIR	0.020(2) 0.020(4) 0.198(6)	TS-D	G	0.42	30	CL					0.13	0.22
466	SNX62/Arg/SNX62/Arg/IS20 6mm	0.236, 0.236, 0.236	0.409, 0.409	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	G	0.40	30	CL					0.12	0.22
467	CIG272-i89/Air 5mm	0.197, 0.197	0.632	AIR	0.042(2) 0.149(4)	SS-D	N,G	0.47	28	CL	0.28	0.45	0.25	0.40	0.23	0.36
468	CIG272-i89/Air 6mm	0.236, 0.236	0.522	AIR	0.042(2) 0.149(4)	SS-D	N,G	0.47	29	CL	0.27	0.44	0.25	0.40	0.23	0.36
469	CIG272-i89/Arg 5mm	0.197, 0.197	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.45	29	CL	0.28	0.45	0.25	0.40	0.23	0.36
470	CIG272-i89/Arg 6mm	0.236, 0.236	0.522	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.45	29	CL	0.27	0.44	0.25	0.40	0.23	0.36
471	CIG366-i89/Air 5mm	0.197, 0.197	0.632	AIR	0.020(2) 0.149(4)	SS-D	N,G	0.47	28	CL	0.19	0.40	0.18	0.36	0.16	0.33
472	CIG366-i89/Air 6mm	0.236, 0.236	0.522	AIR	0.020(2) 0.149(4)	SS-D	N,G	0.46	29	CL	0.19	0.40	0.18	0.36	0.16	0.32
473	CIG366-i89/Arg 5mm	0.197, 0.197	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.44	29	CL	0.19	0.40	0.18	0.36	0.16	0.33
474	CIG366-i89/Arg 6mm	0.236, 0.236	0.522	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.44	29	CL	0.19	0.40	0.18	0.36	0.16	0.32
475	CIG180-i89/Arg 5mm	0.197, 0.197	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.45	28	CL	0.41	0.49	0.37	0.44	0.34	0.40
476	CIG180-i89/Arg 6mm	0.236, 0.236	0.522	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.45	29	CL	0.39	0.49	0.36	0.44	0.33	0.39
477	CIG272/Arg 5mm	0.197, 0.197	0.632	ARG	0.042(2)	SS-D	N,G	0.49	29	CL	0.28	0.46	0.26	0.41	0.24	0.37
478	CIG272/Arg 6mm	0.236, 0.236	0.522	ARG	0.042(2)	SS-D	N,G	0.48	30	CL	0.28	0.45	0.25	0.41	0.23	0.37
479	CIG366/Arg 5mm	0.197, 0.197	0.632	ARG	0.020(2)	SS-D	N,G	0.48	29	CL	0.19	0.41	0.18	0.37	0.16	0.33
480	CIG366/Arg 6mm	0.236, 0.236	0.522	ARG	0.020(2)	SS-D	N,G	0.48	30	CL	0.19	0.41	0.18	0.37	0.17	0.33
481	CIG180/Arg 5mm	0.197, 0.197	0.632	ARG	0.068(2)	SS-D	N,G	0.49	29	CL	0.42	0.50	0.38	0.45	0.35	0.41
482	CIG180/Arg 6mm	0.236, 0.236	0.522	ARG	0.068(2)	SS-D	N,G	0.49	30	CL	0.41	0.50	0.37	0.45	0.34	0.40
483	CIG272/Arg/Ctrl/Arg/CIG180 5mm	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.042(2) 0.068(5)	SS-D	N,G	0.41	31	CL	0.25	0.40	0.23	0.36	0.21	0.32
484	CIG180/Arg/Ctrl/Arg/CIG180 5mm	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.068(2) 0.068(5)	SS-D	N,G	0.41	31	CL	0.36	0.44	0.33	0.40	0.30	0.36

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers > 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
485	CIG272/Arg/CIG180/Arg/CIGi89 5mm	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	N,G	0.39	30	CL	0.24	0.39	0.22	0.35	0.20	0.32
486	CIG180/Arg/CIG180/Arg/CIGi89 5mm	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	N,G	0.39	30	CL	0.35	0.43	0.32	0.39	0.29	0.35
487	CIG272/Arg/Cir/Arg/CIG180 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(5)	SS-D	N	0.42	31	CL	0.25	0.39				
488	CIG272/Arg/Cir/Arg/CIG180 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(5)	SS-D	G	0.42	31	CL			0.23	0.35		
489	CIG272/Arg/Cir/Arg/CIG180 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(5)	SS-D	G	0.42	31	CL					0.21	0.32
490	CIG180/Arg/Cir/Arg/CIG180 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(5)	SS-D	N	0.42	31	CL	0.35	0.43				
491	CIG180/Arg/Cir/Arg/CIG180 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(5)	SS-D	G	0.42	31	CL			0.32	0.39		
492	CIG180/Arg/Cir/Arg/CIG180 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(5)	SS-D	G	0.42	31	CL					0.29	0.35
493	CIG272/Arg/CIG180/Arg/CIGi89 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	N	0.40	30	CL	0.24	0.38				
494	CIG272/Arg/CIG180/Arg/CIGi89 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	G	0.40	30	CL			0.22	0.34		
495	CIG272/Arg/CIG180/Arg/CIGi89 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	G	0.40	30	CL					0.20	0.31
496	CIG180/Arg/CIG180/Arg/CIGi89 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	N	0.40	30	CL	0.33	0.42				
497	CIG180/Arg/CIG180/Arg/CIGi89 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	G	0.40	30	CL			0.31	0.38		
498	CIG180/Arg/CIG180/Arg/CIGi89 6mm	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	G	0.40	30	CL					0.28	0.34
499	SN68/Arg 5mm	0.197, 0.197	0.625	ARG	0.039(2)	ZF-S	N,G	0.48	30	CL	0.26	0.44	0.24	0.40	0.22	0.36
500	SN68/Arg 6mm	0.236, 0.236	0.500	ARG	0.039(2)	ZF-S	N,G	0.48	30	CL	0.26	0.44	0.24	0.40	0.22	0.36
501	SNX62/Arg 5mm	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.40	0.17	0.36	0.16	0.33
502	SNX62/Arg 6mm	0.236, 0.236	0.500	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.40	0.17	0.36	0.16	0.32
503	SN68-IS20/Arg 5mm	0.197, 0.197	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.45	29	CL	0.26	0.43	0.23	0.39	0.21	0.35
504	SN68-IS20/Arg 6mm	0.236, 0.236	0.500	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.45	29	CL	0.25	0.43	0.23	0.38	0.21	0.34
505	SNX62-IS20/Arg 5mm	0.197, 0.197	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.45	29	CL	0.18	0.39	0.17	0.35	0.16	0.32
506	SNX62-IS20/Arg 6mm	0.236, 0.236	0.500	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.45	29	CL	0.18	0.39	0.17	0.35	0.16	0.31
507	CIG366-i89/Arg 5mm	0.197, 0.197	0.625	ARG	0.020(2) 0.149(4)	ZF-S	N,G	0.44	29	CL	0.19	0.40	0.18	0.36	0.16	0.33
508	CIG366-i89/Arg 6mm	0.236, 0.236	0.500	ARG	0.020(2) 0.149(4)	ZF-S	N,G	0.44	29	CL	0.19	0.40	0.18	0.36	0.16	0.32

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers > 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
509	CIG366/Arg 5mm	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.41	0.18	0.37	0.16	0.33
510	CIG366/Arg 6mm	0.236, 0.236	0.500	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.20	0.41	0.18	0.37	0.17	0.33
511	SN68/Arg/Ctrl/Arg/SN68 5mm	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.039(2) 0.039(5)	ZF-S	N,G	0.41	31	CL	0.23	0.34	0.21	0.31	0.19	0.27
512	SNX62/Arg/Ctrl/Arg/SNX62 5mm	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.020(2) 0.020(5)	ZF-S	N,G	0.40	31	CL	0.17	0.28	0.15	0.25	0.14	0.23
513	SN68/Arg/SN68/Arg/IS20 5mm	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	N,G	0.39	31	CL	0.20	0.33	0.19	0.30	0.17	0.27
514	SNX62/Arg/SNX62/Arg/IS20 5mm	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	N,G	0.39	31	CL	0.14	0.27	0.13	0.25	0.12	0.22
515	SN68/Arg/Ctrl/Arg/SN68 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(5)	ZF-S	N	0.42	31	CL	0.22	0.33				
516	SN68/Arg/Ctrl/Arg/SN68 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(5)	ZF-S	G	0.42	31	CL			0.21	0.30		
517	SN68/Arg/Ctrl/Arg/SN68 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(5)	ZF-S	G	0.42	31	CL					0.19	0.27
518	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(5)	ZF-S	N	0.41	31	CL	0.17	0.28				
519	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(5)	ZF-S	G	0.42	31	CL			0.15	0.25		
520	SNX62/Arg/Ctrl/Arg/SNX62 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(5)	ZF-S	G	0.42	31	CL					0.14	0.22
521	SN68/Arg/SN68/Arg/IS20 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	N	0.40	31	CL	0.20	0.32				
522	SN68/Arg/SN68/Arg/IS20 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	G	0.40	31	CL			0.19	0.29		
523	SN68/Arg/SN68/Arg/IS20 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	G	0.40	31	CL					0.17	0.26
524	SNX62/Arg/SNX62/Arg/IS20 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	N	0.40	31	CL	0.14	0.27				
525	SNX62/Arg/SNX62/Arg/IS20 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	G	0.40	31	CL			0.13	0.24		
526	SNX62/Arg/SNX62/Arg/IS20 6mm	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	G	0.40	31	CL					0.12	0.22
527	Clear/Air 10mm/10mm	0.394, 0.394	0.476	AIR		A1-D	N,G	0.63	29	CL	0.47	0.51	0.43	0.46	0.39	0.41
528	SN68/Air 10mm/10mm	0.394, 0.394	0.476	AIR	0.039(2)	A1-D	N,G	0.53	29	CL	0.26	0.43	0.24	0.39	0.22	0.35
	sBZ-SN68/Air 10mm/10mm	0.394, 0.394	0.476	AIR	0.039(3)	A1-D	N,G	0.53	29	BZ	0.18	0.18	0.17	0.16	0.15	0.15
529	SN68/Arg 10mm/10mm	0.394, 0.394	0.476	ARG	0.039(2)	A1-D	N,G	0.50	29	CL	0.25	0.43	0.23	0.39	0.21	0.35
530	SNX62/Air 10mm/10mm	0.394, 0.394	0.476	AIR	0.020(2)	A1-D	N,G	0.53	29	CL	0.19	0.39	0.18	0.35	0.16	0.31
531	SNX62/Arg 10mm/10mm	0.394, 0.394	0.476	ARG	0.020(2)	A1-D	N,G	0.50	29	CL	0.19	0.39	0.17	0.35	0.16	0.31

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers ≥ 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
532	Clear/Air 10mm/6mm	0.394, 0.236	0.632	AIR		A1-D	N,G	0.64	28	CL	0.48	0.51	0.43	0.46	0.39	0.42
	Clear/Air 6mm/10mm	0.236, 0.394	0.632	AIR		A1-D	N,G	0.64	28	CL	0.49	0.51	0.45	0.46	0.41	0.42
533	SN68/Air 10mm/6mm	0.394, 0.236	0.632	AIR	0.039(2)	A1-D	N,G	0.53	29	CL	0.26	0.43	0.24	0.39	0.22	0.35
	SN68/Air 6mm/10mm	0.236, 0.394	0.632	AIR	0.039(2)	A1-D	N,G	0.53	29	CL	0.26	0.43	0.24	0.39	0.22	0.35
	sBZ-SN68/Air 6mm/10mm	0.236, 0.394	0.632	AIR	0.039(3)	A1-D	N,G	0.53	29	BZ	0.22	0.26	0.20	0.23	0.19	0.21
534	SN68/Arg 10mm/6mm	0.394, 0.236	0.632	ARG	0.039(2)	A1-D	N,G	0.51	29	CL	0.25	0.43	0.23	0.39	0.21	0.35
	SN68/Arg 6mm/10mm	0.236, 0.394	0.632	ARG	0.039(2)	A1-D	N,G	0.51	29	CL	0.26	0.43	0.24	0.39	0.22	0.35
535	SNX62/Air 10mm/6mm	0.394, 0.236	0.632	AIR	0.020(2)	A1-D	N,G	0.53	29	CL	0.19	0.39	0.18	0.35	0.16	0.32
	SNX62/Air 6mm/10mm	0.236, 0.394	0.632	AIR	0.020(2)	A1-D	N,G	0.53	29	CL	0.19	0.39	0.18	0.36	0.16	0.32
536	SNX62/Arg 10mm/6mm	0.394, 0.236	0.632	ARG	0.020(2)	A1-D	N,G	0.50	29	CL	0.19	0.39	0.17	0.35	0.16	0.32
	SNX62/Arg 6mm/10mm	0.236, 0.394	0.632	ARG	0.020(2)	A1-D	N,G	0.50	29	CL	0.19	0.39	0.17	0.36	0.16	0.32
537	Clear/Air 10mm/10mm	0.394, 0.394	0.726	AIR		A1-D	N,G	0.63	28	CL	0.47	0.51	0.43	0.46	0.39	0.41
538	SN68/Air 10mm/10mm	0.394, 0.394	0.726	AIR	0.039(2)	A1-D	N,G	0.53	28	CL	0.26	0.43	0.23	0.39	0.21	0.35
	sBZ-SN68/Air 10mm/10mm	0.394, 0.394	0.726	AIR	0.039(3)	A1-D	N,G	0.53	28	BZ	0.18	0.18	0.16	0.16	0.15	0.15
539	SN68/Arg 10mm/10mm	0.394, 0.394	0.726	ARG	0.039(2)	A1-D	N,G	0.51	28	CL	0.25	0.43	0.23	0.39	0.21	0.35
540	SNX62/Air 10mm/10mm	0.394, 0.394	0.726	AIR	0.020(2)	A1-D	N,G	0.53	28	CL	0.19	0.39	0.18	0.35	0.16	0.31
541	SNX62/Arg 10mm/10mm	0.394, 0.394	0.726	ARG	0.020(2)	A1-D	N,G	0.50	28	CL	0.19	0.39	0.17	0.35	0.16	0.31
542	Clear/Air 10mm/6mm	0.394, 0.236	0.882	AIR		A1-D	N,G	0.64	27	CL	0.48	0.51	0.43	0.46	0.39	0.42
	Clear/Air 6mm/10mm	0.236, 0.394	0.882	AIR		A1-D	N,G	0.64	27	CL	0.49	0.51	0.45	0.46	0.41	0.42
543	SN68/Air 10mm/6mm	0.394, 0.236	0.882	AIR	0.039(2)	A1-D	N,G	0.54	28	CL	0.26	0.43	0.24	0.39	0.22	0.35
	SN68/Air 6mm/10mm	0.236, 0.394	0.882	AIR	0.039(2)	A1-D	N,G	0.54	28	CL	0.26	0.43	0.24	0.39	0.22	0.35
	sBZ-SN68/Air 10mm/6mm	0.394, 0.236	0.882	AIR	0.039(3)	A1-D	N,G	0.54	28	BZ	0.18	0.18	0.17	0.17	0.15	0.15
544	SN68/Arg 10mm/6mm	0.394, 0.236	0.882	ARG	0.039(2)	A1-D	N,G	0.51	28	CL	0.26	0.43	0.23	0.39	0.21	0.35
	SN68/Arg 6mm/10mm	0.236, 0.394	0.882	ARG	0.039(2)	A1-D	N,G	0.51	28	CL	0.26	0.43	0.24	0.39	0.22	0.35

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers ≥ 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
545	SNX62/Air 10mm/6mm	0.394, 0.236	0.882	AIR	0.020(2)	A1-D	N,G	0.53	28	CL	0.19	0.39	0.18	0.35	0.16	0.32
	SNX62/Air 6mm/10mm	0.236, 0.394	0.882	AIR	0.020(2)	A1-D	N,G	0.53	28	CL	0.19	0.39	0.18	0.36	0.16	0.32
546	SNX62/Arg 10mm/6mm	0.394, 0.236	0.882	ARG	0.020(2)	A1-D	N,G	0.51	28	CL	0.19	0.39	0.18	0.35	0.16	0.32
	SNX62/Arg 6mm/10mm	0.236, 0.394	0.882	ARG	0.020(2)	A1-D	N,G	0.51	28	CL	0.19	0.39	0.17	0.36	0.16	0.32
547	SN68/Air 10mm/10mm	0.394, 0.394	0.470	AIR	0.039(2)	TS-D	N,G	0.52	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
548	SN68/Arg 10mm/10mm	0.394, 0.394	0.470	ARG	0.039(2)	TS-D	N,G	0.49	30	CL	0.25	0.43	0.23	0.39	0.21	0.35
549	SNX62/Air 10mm/10mm	0.394, 0.394	0.470	AIR	0.020(2)	TS-D	N,G	0.52	30	CL	0.19	0.39	0.18	0.35	0.16	0.31
550	SNX62/Arg 10mm/10mm	0.394, 0.394	0.470	ARG	0.020(2)	TS-D	N,G	0.49	30	CL	0.19	0.39	0.17	0.35	0.16	0.31
551	SN68/Air 10mm/6mm	0.394, 0.236	0.633	AIR	0.039(2)	TS-D	N,G	0.52	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
	SN68/Air 6mm/10mm	0.236, 0.394	0.633	AIR	0.039(2)	TS-D	N,G	0.52	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
552	SN68/Arg 10mm/6mm	0.394, 0.236	0.633	ARG	0.039(2)	TS-D	N,G	0.49	30	CL	0.25	0.43	0.23	0.39	0.21	0.35
	SN68/Arg 6mm/10mm	0.236, 0.394	0.633	ARG	0.039(2)	TS-D	N,G	0.49	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
553	SN68-IS20/Air 10mm/6mm	0.394, 0.236	0.633	AIR	0.039(2) 0.198(4)	TS-D	N,G	0.48	29	CL	0.25	0.42	0.23	0.38	0.21	0.34
554	SN68-IS20/Arg 10mm/6mm	0.394, 0.236	0.633	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.46	29	CL	0.25	0.42	0.23	0.38	0.21	0.34
555	SNX62/Air 10mm/6mm	0.394, 0.236	0.633	AIR	0.020(2)	TS-D	N,G	0.52	30	CL	0.19	0.39	0.18	0.35	0.16	0.32
	SNX62/Air 6mm/10mm	0.236, 0.394	0.633	AIR	0.020(2)	TS-D	N,G	0.52	30	CL	0.19	0.39	0.18	0.36	0.16	0.32
556	SNX62/Arg 10mm/6mm	0.394, 0.236	0.633	ARG	0.020(2)	TS-D	N,G	0.49	30	CL	0.19	0.39	0.17	0.35	0.16	0.32
	SNX62/Arg 6mm/10mm	0.236, 0.394	0.633	ARG	0.020(2)	TS-D	N,G	0.49	30	CL	0.19	0.39	0.17	0.36	0.16	0.32
557	SNX62-IS20/Air 10mm/6mm	0.394, 0.236	0.633	AIR	0.020(2) 0.198(4)	TS-D	N,G	0.48	29	CL	0.18	0.38	0.17	0.34	0.16	0.31
558	SNX62-IS20/Arg 10mm/6mm	0.394, 0.236	0.633	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.46	29	CL	0.18	0.38	0.17	0.34	0.15	0.31
559	SN68/Air 10mm/10mm	0.394, 0.394	0.714	AIR	0.039(2)	TS-D	N,G	0.52	30	CL	0.26	0.43	0.23	0.39	0.21	0.35
560	SN68/Arg 10mm/10mm	0.394, 0.394	0.714	ARG	0.039(2)	TS-D	N,G	0.49	30	CL	0.25	0.43	0.23	0.39	0.21	0.35
561	SNX62/Air 10mm/10mm	0.394, 0.394	0.714	AIR	0.020(2)	TS-D	N,G	0.51	30	CL	0.19	0.39	0.18	0.35	0.16	0.31
562	SNX62/Arg 10mm/10mm	0.394, 0.394	0.714	ARG	0.020(2)	TS-D	N,G	0.49	30	CL	0.19	0.39	0.17	0.35	0.16	0.31

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers ≥ 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
563	SN68/Air 10mm/6mm	0.394, 0.236	0.784	AIR	0.039(2)	TS-D	N.G	0.52	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
	SN68/Air 6mm/10mm	0.236, 0.394	0.784	AIR	0.039(2)	TS-D	N.G	0.52	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
564	SN68/Arg 10mm/6mm	0.394, 0.236	0.784	ARG	0.039(2)	TS-D	N.G	0.49	30	CL	0.25	0.43	0.23	0.39	0.21	0.35
	SN68/Arg 6mm/10mm	0.236, 0.394	0.784	ARG	0.039(2)	TS-D	N.G	0.49	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
565	SN68-IS20/Air 10mm/6mm	0.394, 0.236	0.784	AIR	0.039(2) 0.198(4)	TS-D	N.G	0.48	29	CL	0.25	0.42	0.23	0.38	0.21	0.34
566	SN68-IS20/Arg 10mm/6mm	0.394, 0.236	0.784	ARG	0.039(2) 0.198(4)	TS-D	N.G	0.46	29	CL	0.25	0.42	0.23	0.38	0.21	0.34
567	SNX62/Air 10mm/6mm	0.394, 0.236	0.784	AIR	0.020(2)	TS-D	N.G	0.52	30	CL	0.19	0.39	0.18	0.35	0.16	0.32
	SNX62/Air 6mm/10mm	0.236, 0.394	0.784	AIR	0.020(2)	TS-D	N.G	0.52	30	CL	0.19	0.39	0.18	0.36	0.16	0.32
568	SNX62/Arg 10mm/6mm	0.394, 0.236	0.784	ARG	0.020(2)	TS-D	N.G	0.49	30	CL	0.19	0.39	0.17	0.35	0.16	0.32
	SNX62/Arg 6mm/10mm	0.236, 0.394	0.784	ARG	0.020(2)	TS-D	N.G	0.49	30	CL	0.19	0.39	0.17	0.36	0.16	0.32
569	SNX62-IS20/Air 10mm/6mm	0.394, 0.236	0.784	AIR	0.020(2) 0.198(4)	TS-D	N.G	0.47	29	CL	0.18	0.38	0.17	0.34	0.16	0.31
570	SNX62-IS20/Arg 10mm/6mm	0.394, 0.236	0.784	ARG	0.020(2) 0.198(4)	TS-D	N.G	0.45	29	CL	0.18	0.38	0.17	0.34	0.16	0.31
571	CIG366/Arg 8mm/8mm	0.315, 0.315	0.632	ARG	0.020(2)	SS-D	N.G	0.49	30	CL	0.19	0.40	0.18	0.36	0.16	0.32
572	CIG272/Arg 8mm/8mm	0.315, 0.315	0.632	ARG	0.042(2)	SS-D	N.G	0.49	30	CL	0.27	0.44	0.25	0.40	0.23	0.36
573	CIG180/Arg 8mm/8mm	0.315, 0.315	0.632	ARG	0.068(2)	SS-D	N.G	0.50	30	CL	0.39	0.49	0.36	0.44	0.33	0.39
574	CIG366/Arg 8mm/6mm	0.315, 0.236	0.699	ARG	0.020(2)	SS-D	N.G	0.49	30	CL	0.19	0.40	0.18	0.36	0.16	0.33
	CIG366/Arg 6mm/8mm	0.236, 0.315	0.699	ARG	0.020(2)	SS-D	N.G	0.49	30	CL	0.19	0.40	0.18	0.36	0.16	0.33
575	CIG366-i89/Air 8mm/6mm	0.315, 0.236	0.699	AIR	0.020(2) 0.149(4)	SS-D	N.G	0.47	30	CL	0.19	0.39	0.18	0.35	0.16	0.32
576	CIG366-i89/Arg 8mm/6mm	0.315, 0.236	0.699	ARG	0.020(2) 0.149(4)	SS-D	N.G	0.45	30	CL	0.19	0.39	0.17	0.35	0.16	0.32
577	CIG272/Arg 8mm/6mm	0.315, 0.236	0.699	ARG	0.042(2)	SS-D	N.G	0.49	30	CL	0.27	0.45	0.25	0.40	0.23	0.36
	CIG272/Arg 6mm/8mm	0.236, 0.315	0.699	ARG	0.042(2)	SS-D	N.G	0.49	30	CL	0.28	0.45	0.25	0.40	0.23	0.36
578	CIG272-i89/Air 8mm/6mm	0.315, 0.236	0.699	AIR	0.042(2) 0.149(4)	SS-D	N.G	0.48	30	CL	0.27	0.44	0.24	0.39	0.22	0.35
579	CIG272-i89/Arg 8mm/6mm	0.315, 0.236	0.699	ARG	0.042(2) 0.149(4)	SS-D	N.G	0.46	30	CL	0.27	0.44	0.24	0.39	0.22	0.35
580	CIG180/Arg 8mm/6mm	0.315, 0.236	0.699	ARG	0.068(2)	SS-D	N.G	0.50	30	CL	0.40	0.49	0.36	0.44	0.33	0.40

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers ≥ 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
	CIG180/Arg 6mm/8mm	0.236, 0.315	0.699	ARG	0.068(2)	SS-D	N,G	0.50	30	CL	0.41	0.49	0.37	0.44	0.34	0.40
581	CIG180-i89/Arg 8mm/6mm	0.315, 0.236	0.699	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.46	30	CL	0.38	0.48	0.35	0.43	0.32	0.39
582	CIG366/Arg 8mm/8mm	0.315, 0.315	0.837	ARG	0.020(2)	SS-D	N,G	0.49	30	CL	0.19	0.40	0.18	0.36	0.16	0.32
583	CIG272/Arg 8mm/8mm	0.315, 0.315	0.837	ARG	0.042(2)	SS-D	N,G	0.49	30	CL	0.27	0.44	0.25	0.40	0.23	0.36
584	CIG180/Arg 8mm/8mm	0.315, 0.315	0.837	ARG	0.068(2)	SS-D	N,G	0.50	30	CL	0.39	0.49	0.36	0.44	0.33	0.39
585	SN68/Arg 10mm/10mm	0.394, 0.394	0.439	ARG	0.039(2)	ZF-S	N,G	0.49	31	CL	0.26	0.43	0.23	0.39	0.21	0.35
586	SNX62/Arg 10mm/10mm	0.394, 0.394	0.439	ARG	0.020(2)	ZF-S	N,G	0.48	31	CL	0.19	0.39	0.18	0.35	0.16	0.31
587	CIG366/Arg 8mm/8mm	0.315, 0.315	0.625	ARG	0.020(2)	ZF-S	N,G	0.49	31	CL	0.19	0.40	0.18	0.36	0.16	0.32
588	SN68/Arg 10mm/6mm	0.394, 0.236	0.625	ARG	0.039(2)	ZF-S	N,G	0.49	30	CL	0.25	0.43	0.23	0.39	0.21	0.35
	SN68/Arg 6mm/10mm	0.236, 0.394	0.625	ARG	0.039(2)	ZF-S	N,G	0.49	30	CL	0.26	0.43	0.24	0.39	0.22	0.35
589	SN68-IS20/Arg 10mm/6mm	0.394, 0.236	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.46	30	CL	0.25	0.42	0.23	0.38	0.21	0.34
590	SNX62/Arg 10mm/6mm	0.394, 0.236	0.625	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.39	0.17	0.35	0.16	0.32
	SNX62/Arg 6mm/10mm	0.236, 0.394	0.625	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.39	0.17	0.36	0.16	0.32
591	SNX62-IS20/Arg 10mm/6mm	0.394, 0.236	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.45	30	CL	0.18	0.38	0.17	0.34	0.15	0.31
592	CIG366/Arg 8mm/6mm	0.315, 0.236	0.688	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.40	0.18	0.36	0.16	0.33
	CIG366/Arg 6mm/8mm	0.236, 0.315	0.888	ARG	0.020(2)	ZF-S	N,G	0.48	30	CL	0.19	0.40	0.18	0.36	0.16	0.33
593	CIG366-i89/Arg 8mm/6mm	0.315, 0.236	0.688	ARG	0.020(2) 0.149(4)	ZF-S	N,G	0.45	30	CL	0.19	0.39	0.17	0.35	0.16	0.32
594	SN68/Arg 10mm/10mm	0.394, 0.394	0.688	ARG	0.039(2)	ZF-S	N,G	0.49	31	CL	0.25	0.43	0.23	0.39	0.21	0.35
595	SNX62/Arg 10mm/10mm	0.394, 0.394	0.688	ARG	0.020(2)	ZF-S	N,G	0.48	31	CL	0.19	0.39	0.17	0.35	0.16	0.31
596	CIG366/Arg 8mm/8mm	0.315, 0.315	0.787	ARG	0.020(2)	ZF-S	N,G	0.49	31	CL	0.19	0.40	0.18	0.36	0.16	0.32
597	SN68/Arg 10mm/6mm	0.394, 0.236	0.787	ARG	0.039(2)	ZF-S	N,G	0.49	31	CL	0.25	0.43	0.23	0.39	0.21	0.35
	SN68/Arg 6mm/10mm	0.236, 0.394	0.787	ARG	0.039(2)	ZF-S	N,G	0.49	31	CL	0.26	0.43	0.24	0.39	0.22	0.35
598	SN68-IS20/Arg 10mm/6mm	0.394, 0.236	0.787	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.46	30	CL	0.25	0.42	0.23	0.38	0.21	0.34
599	SNX62/Arg 10mm/6mm	0.394, 0.236	0.787	ARG	0.020(2)	ZF-S	N,G	0.49	31	CL	0.19	0.39	0.17	0.35	0.16	0.32

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE21004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-92

Simulation Orig Report Date: 1/5/2022

Series/Model: (Formerly Series 250-T) Series 350-T Awning (TB)

Model Size: 1500mm x 600mm

Simulation Revision Date: 1/5/2022

Operator Type: Projected-Awning

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)

Note: Options without numbers are grouped with the option(s) above

Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	No Dividers		Dividers < 1"		Dividers > 1"	
											SHGC	VT	SHGC	VT	SHGC	VT
	SNX62/Arg 6mm/10mm	0.236, 0.394	0.787	ARG	0.020(2)	ZF-S	N,G	0.49	31	CL	0.19	0.39	0.17	0.36	0.16	0.32
600	SNX62-IS20/Arg 10mm/6mm	0.394, 0.236	0.787	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.45	30	CL	0.18	0.38	0.17	0.34	0.16	0.31
601	CIG366/Arg 8mm/6mm	0.315, 0.236	0.787	ARG	0.020(2)	ZF-S	N,G	0.49	31	CL	0.19	0.40	0.18	0.36	0.17	0.33
	CIG366/Arg 6mm/8mm	0.236, 0.315	0.787	ARG	0.020(2)	ZF-S	N,G	0.49	31	CL	0.19	0.40	0.18	0.36	0.16	0.33
602	CIG366-i89/Arg 8mm/6mm	0.315, 0.236	0.787	ARG	0.020(2) 0.149(4)	ZF-S	N,G	0.45	30	CL	0.19	0.39	0.17	0.35	0.16	0.32

The Condensation Resistance results obtained from this procedure are for controlled laboratory conditions and do not include the effects of air movement through the specimen, solar radiation, and the thermal bridging that may occur due to the specific design and construction of the fenestration system opening. (NFRC 500, Sec. 4.4)

Manufacturer: Fleetwood Windows & Doors
Contact: Joe Zammit
**Address: 1 Fleetwood Way
 Corona, CA 92879**
Phone: 951-279-1070
**RECERTIFICATION
 REPORT**
**Model/Series: (Formerly Series 250-T) Series 350-T Awning
 (TB)**
Operator Type: Projected-Awning
Frame Type: Aluminum w/ Thermal Breaks - All Members (AT)
Sash Type: Aluminum w/ Thermal Breaks - All Members (AT)
**WESTLab Report No.:
 FLE21004-SS**
**WESTLab Report Date:
 1/5/2022**
**Revision/Addendum Date:
 1/5/2022**
**NFRC Product Line ID:
 FLE-M-92**
**Report Type:
 Recertification**
Baseline Product for U-Factor Validation Testing:
Description: No Validation Unit required. This product validates with the FLE-M-90 (Formerly Series 250-T) Series 350-T Casement (OG). Please see WESTLab report FLE21007-SS for validation product details.

Simulated U-factor:
Test Size (mm): x

Physical Test Tolerance: to

Notes: Manufacturer must have the product described above tested by an accredited physical testing laboratory. Physical test window U-factor results must be within the tolerance range listed above. The baseline product simulated U-factor is within 20% or 0.10 of the lowest simulated U-factor listed in the matrix (as allowed by ANSI/NFRC 100-2020) unless otherwise noted in the "Other Notes and Comments" section.

**Signature of Simulator
 In-Responsible-Charge:**


Staci Zastrow, Certified Simulator

Disclaimers/Notes:

The window U-factor, SHGC, VT & CR values presented in this report were determined using the Therm and Window computer programs in full compliance with ANSI/NFRC 100-2020, ANSI/200-2020 and NFRC 500-2020, and from information supplied by the manufacturer. This report does not constitute certification of this product and only relates to the fenestration products simulated. Authorized use of any U-factor, SHGC Visible Transmittance and Condensation Resistance ratings may only be granted by the Certification Program Administrator. WESTLab does not imply or claim that the product simulated in this report will perform as stated in actual use conditions. This report is the property of WESTLab and the client, and must not be reproduced, except in full, without written approval from WESTLab and the client. Ratings values included in this report are for submittal to an NFRC-licensed IA are not meant to be used directly for labeling purposes. Only those values identified on a valid Certification Authorization Report (CAR) by an NFRC accredited Inspection Agency (IA) are to be used for labeling purposes. Rounding of values in this report is per NFRC 601 NFRC unit and measurement policy.