NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22003-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: 3800-T Fixed (Non-TB)
Operator Type: Fixed-4-Sided
Frame Type: Aluminum (Non-thermal) (AL)
Sash Type: No Sash

Product Line ID: FLE-M-102
Model Size: 1200mm x 1500mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/2/2022
Simulation Revision Date: 3/2/2022
Report Type: Recertification
Simulation Lab Code: SWWW

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

											No Dividers		Dividers < 1"		Dividers > 1"	
Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	SHGC	VT	SHGC	VT	SHGC	VT
245	CIG366/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.020(2)	SS-D	N,G	0.39	10	CL	0.25	0.57	0.22	0.51	0.20	0.46
246	CIG366/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.020(2)	SS-D	N,G	0.38	10	CL	0.25	0.56	0.22	0.50	0.20	0.45
247	CIG366-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.33	9	CL	0.24	0.55	0.22	0.50	0.20	0.45
248	CIG366-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.33	9	CL	0.24	0.55	0.22	0.49	0.20	0.44
249	CIG272/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.042(2)	SS-D	N,G	0.39	10	CL	0.36	0.63	0.33	0.57	0.30	0.51
250	CIG272/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.042(2)	SS-D	N,G	0.39	10	CL	0.36	0.62	0.33	0.56	0.30	0.50
251	CIG272-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.34	9	CL	0.36	0.62	0.32	0.55	0.29	0.49
252	CIG272-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.33	9	CL	0.35	0.61	0.32	0.55	0.29	0.49
253	CIG180/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.068(2)	SS-D	N,G	0.40	10	CL	0.56	0.69	0.50	0.62	0.45	0.56
254	CIG180/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.068(2)	SS-D	N,G	0.40	10	CL	0.54	0.69	0.49	0.62	0.44	0.55
255	CIG180-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.34	9	CL	0.54	0.68	0.49	0.61	0.44	0.54
256	CIG180-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.34	9	CL	0.52	0.67	0.47	0.60	0.42	0.54
257	Clear/Air 5mm A1-D	0.197, 0.197	0.621	AIR		A1-D	N,G	0.58	9	CL	0.65	0.71	0.59	0.64	0.53	0.57
258	Clear/Air 6mm A1-D	0.236, 0.236	0.542	AIR		A1-D	N,G	0.57	9	CL	0.63	0.71	0.57	0.63	0.51	0.57
259	SN68/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.039(2)	A1-D	N,G	0.43	10	CL	0.34	0.61	0.31	0.55	0.28	0.49
	sBZ-SN68/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.039(3)	A1-D	N,G	0.43	10	BZ	0.30	0.40	0.28	0.36	0.25	0.32
260	SN68/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.039(2)	A1-D	N,G	0.43	10	CL	0.34	0.60	0.31	0.54	0.28	0.48
	sBZ-SN68/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.039(3)	A1-D	N,G	0.43	10	BZ	0.29	0.36	0.26	0.32	0.24	0.29
261	SN68/Arg 5mm A1-D	0.197, 0.197	0.621	ARG	0.039(2)	A1-D	N,G	0.40	10	CL	0.34	0.61	0.31	0.55	0.28	0.49
262	SN68/Arg 6mm A1-D	0.236, 0.236	0.542	ARG	0.039(2)	A1-D	N,G	0.39	10	CL	0.33	0.60	0.30	0.54	0.27	0.48
263	SNX62/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.020(2)	A1-D	N,G	0.43	10	CL	0.24	0.55	0.22	0.50	0.20	0.44
264	SNX62/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.020(2)	A1-D	N,G	0.42	10	CL	0.24	0.55	0.22	0.49	0.20	0.44
265	SNX62/Arg 5mm A1-D	0.197, 0.197	0.621	ARG	0.020(2)	A1-D	N,G	0.39	10	CL	0.24	0.55	0.21	0.50	0.20	0.44
266	SNX62/Arg 6mm A1-D	0.236, 0.236	0.542	ARG	0.020(2)	A1-D	N,G	0.39	10	CL	0.24	0.55	0.22	0.49	0.20	0.44

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)

WESTLab

Initials: SZ

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22003-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: 3800-T Fixed (Non-TB)
Operator Type: Fixed-4-Sided
Frame Type: Aluminum (Non-thermal) (AL)
Sash Type: No Sash

Product Line ID: FLE-M-102
Model Size: 1200mm x 1500mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/2/2022
Simulation Revision Date: 3/2/2022
Report Type: Recertification
Simulation Lab Code: SWWW

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

												No Dividers		Dividers < 1"		Dividers ≥ 1"	
Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	SHGC	VT	SHGC	VT	SHGC	VT
267	SN68/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.039(2)	ZF-S	N,G	0.39	10	CL	0.34	0.61	0.31	0.55	0.28	0.49
268	SN68/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.039(2)	ZF-S	N,G	0.39	10	CL	0.33	0.60	0.30	0.54	0.28	0.48
269	SN68-IS20/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.34	9	CL	0.33	0.59	0.30	0.53	0.27	0.48
270	SN68-IS20/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.34	9	CL	0.33	0.59	0.30	0.53	0.27	0.47
271	SNX62/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.39	10	CL	0.24	0.55	0.21	0.50	0.20	0.44
272	SNX62/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.020(2)	ZF-S	N,G	0.38	10	CL	0.24	0.55	0.22	0.49	0.20	0.44
273	SNX62-IS20/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.34	9	CL	0.23	0.54	0.21	0.48	0.19	0.43
274	SNX62-IS20/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.33	9	CL	0.23	0.53	0.21	0.48	0.19	0.43
275	SN68/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.039(2)	TS-D	N,G	0.39	10	CL	0.34	0.61	0.31	0.55	0.28	0.49
276	SN68/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.039(2)	TS-D	N,G	0.39	10	CL	0.33	0.60	0.30	0.54	0.28	0.48
277	SN68-IS20/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.34	9	CL	0.33	0.59	0.30	0.53	0.27	0.48
278	SN68-IS20/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.34	9	CL	0.33	0.59	0.30	0.53	0.27	0.47
279	SNX62/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.020(2)	TS-D	N,G	0.39	10	CL	0.24	0.55	0.21	0.50	0.20	0.44
280	SNX62/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.020(2)	TS-D	N,G	0.38	10	CL	0.24	0.55	0.22	0.49	0.20	0.44
281	SNX62-IS20/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.34	9	CL	0.23	0.54	0.21	0.48	0.19	0.43
282	SNX62-IS20/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.34	9	CL	0.23	0.53	0.21	0.48	0.19	0.43
283	CIG272-Clr-CIG180/Arg 5mm SS-D	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.042(2) 0.068(5)	SS-D	N,G	0.29	11	CL	0.33	0.55	0.30	0.49	0.27	0.44
284	CIG272-Clr-CIG180/Arg 6mm SS-D N	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(5)	SS-D	N	0.30	11	CL	0.32	0.54				
285	CIG272-Clr-CIG180/Arg 6mm SS-D Rect	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(5)	SS-D	G	0.31	11	CL			0.29	0.48		
286	CIG272-Clr-CIG180/Arg 6mm SS-D Cont	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(5)	SS-D	G	0.31	11	CL					0.26	0.43
287	CIG272-CIG180-i89/Arg 5mm SS-D	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	N,G	0.27	10	CL	0.31	0.54	0.28	0.48	0.26	0.43
288	CIG272-CIG180-i89/Arg 6mm SS-D N	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	N	0.28	10	CL	0.30	0.53				
289	CIG272-CIG180-i89/Arg 6mm SS-D Rect	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	G	0.28	10	CL			0.28	0.47		
290	CIG272-CIG180-i89/Arg 6mm SS-D Cont	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	G	0.28	10	CL					0.25	0.42

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)

WESTLab

Initials: SZ

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22003-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: 3800-T Fixed (Non-TB)
Operator Type: Fixed-4-Sided
Frame Type: Aluminum (Non-thermal) (AL)
Sash Type: No Sash

Product Line ID: FLE-M-102
Model Size: 1200mm x 1500mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/2/2022
Simulation Revision Date: 3/2/2022
Report Type: Recertification
Simulation Lab Code: SWWW

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

												No Dividers		Dividers < 1"		Dividers > 1"	
Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	SHGC	VT	SHGC	VT	SHGC	VT
291	CIG180-Clr-CIG180/Arg 5mm SS-D	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.068(2) 0.068(5)	SS-D	N,G	0.29	11	CL	0.48	0.61	0.43	0.54	0.39	0.49
292	CIG180-Clr-CIG180/Arg 6mm SS-D N	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(5)	SS-D	N	0.31	11	CL	0.46	0.59				
293	CIG180-Clr-CIG180/Arg 6mm SS-D Rect	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(5)	SS-D	G	0.31	11	CL			0.42	0.53		
294	CIG180-Clr-CIG180/Arg 6mm SS-D Cont	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(5)	SS-D	G	0.31	11	CL					0.38	0.48
295	CIG180-CIG180-i89/Arg 5mm SS-D	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	N,G	0.27	10	CL	0.45	0.59	0.41	0.53	0.37	0.48
296	CIG180-CIG180-i89/Arg 6mm SS-D N	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	N	0.28	10	CL	0.44	0.58				
297	CIG180-CIG180-i89/Arg 6mm SS-D Rect	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	G	0.28	10	CL			0.40	0.52		
298	CIG180-CIG180-i89/Arg 6mm SS-D Cont	0.236, 0.236, 0.236	0.396, 0.396	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	G	0.28	10	CL					0.36	0.47
299	SN68-Clr-SN68/Air 5mm A1-D	0.197, 0.197, 0.197	0.468, 0.468	AIR	0.039(2) 0.039(5)	A1-D	N,G	0.32	10	CL	0.29	0.47	0.26	0.42	0.24	0.38
300	SN68-Clr-SN68/Air 6mm A1-D N	0.236, 0.236, 0.236	0.374, 0.374	AIR	0.039(2) 0.039(5)	A1-D	N	0.34	11	CL	0.29	0.46				
301	SN68-Clr-SN68/Air 6mm A1-D Rect	0.236, 0.236, 0.236	0.374, 0.374	AIR	0.039(2) 0.039(5)	A1-D	G	0.35	11	CL			0.26	0.41		
302	SN68-Clr-SN68/Air 6mm A1-D Cont	0.236, 0.236, 0.236	0.374, 0.374	AIR	0.039(2) 0.039(5)	A1-D	G	0.35	11	CL					0.24	0.37
303	SN68-Clr-SN68/Arg 5mm A1-D	0.197, 0.197, 0.197	0.468, 0.468	ARG	0.039(2) 0.039(5)	A1-D	N,G	0.29	10	CL	0.29	0.47	0.26	0.42	0.24	0.38
304	SN68-Clr-SN68/Arg 6mm A1-D N	0.236, 0.236, 0.236	0.374, 0.374	ARG	0.039(2) 0.039(5)	A1-D	N	0.31	11	CL	0.29	0.46				
305	SN68-Clr-SN68/Arg 6mm A1-D Rect	0.236, 0.236, 0.236	0.374, 0.374	ARG	0.039(2) 0.039(5)	A1-D	G	0.32	11	CL			0.26	0.41		
306	SN68-Clr-SN68/Arg 6mm A1-D Cont	0.236, 0.236, 0.236	0.374, 0.374	ARG	0.039(2) 0.039(5)	A1-D	G	0.32	11	CL					0.24	0.37
307	SNX62-Clr-SNX62/Air 5mm A1-D	0.197, 0.197, 0.197	0.468, 0.468	AIR	0.020(2) 0.020(5)	A1-D	N,G	0.31	10	CL	0.21	0.39	0.19	0.35	0.17	0.31
308	SNX62-Clr-SNX62/Air 6mm A1-D N	0.236, 0.236, 0.236	0.374, 0.374	AIR	0.020(2) 0.020(5)	A1-D	N	0.34	11	CL	0.21	0.38				
309	SNX62-Clr-SNX62/Air 6mm A1-D Rect	0.236, 0.236, 0.236	0.374, 0.374	AIR	0.020(2) 0.020(5)	A1-D	G	0.35	11	CL			0.19	0.34		
310	SNX62-Clr-SNX62/Air 6mm A1-D Cont	0.236, 0.236, 0.236	0.374, 0.374	AIR	0.020(2) 0.020(5)	A1-D	G	0.35	11	CL					0.17	0.31
311	SNX62-Clr-SNX62/Arg 5mm A1-D	0.197, 0.197, 0.197	0.468, 0.468	ARG	0.020(2) 0.020(5)	A1-D	N,G	0.28	10	CL	0.21	0.39	0.19	0.35	0.17	0.31
312	SNX62-Clr-SNX62/Arg 6mm A1-D N	0.236, 0.236, 0.236	0.374, 0.374	ARG	0.020(2) 0.020(5)	A1-D	N	0.30	11	CL	0.21	0.38				
313	SNX62-Clr-SNX62/Arg 6mm A1-D Rect	0.236, 0.236, 0.236	0.374, 0.374	ARG	0.020(2) 0.020(5)	A1-D	G	0.31	11	CL			0.19	0.34		
314	SNX62-Clr-SNX62/Arg 6mm A1-D Cont	0.236, 0.236, 0.236	0.374, 0.374	ARG	0.020(2) 0.020(5)	A1-D	G	0.31	11	CL					0.17	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)

WESTLab

Initials: SZ

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22003-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: 3800-T Fixed (Non-TB)
Operator Type: Fixed-4-Sided
Frame Type: Aluminum (Non-thermal) (AL)
Sash Type: No Sash

Product Line ID: FLE-M-102
Model Size: 1200mm x 1500mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/2/2022
Simulation Revision Date: 3/2/2022
Report Type: Recertification
Simulation Lab Code: SWWW

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

												No Dividers		Dividers < 1"		Dividers > 1"	
Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	SHGC	VT	SHGC	VT	SHGC	VT
315	SN68-Clr-SN68/Arg 5mm ZF-S	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.039(2) 0.039(5)	ZF-S	N,G	0.29	11	CL	0.29	0.47	0.26	0.42	0.24	0.38
316	SN68-Clr-SN68/Arg 6mm ZF-S N	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(5)	ZF-S	N	0.30	11	CL	0.29	0.46				
317	SN68-Clr-SN68/Arg 6mm ZF-S Rect	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(5)	ZF-S	G	0.31	11	CL			0.26	0.41		
318	SN68-Clr-SN68/Arg 6mm ZF-S Cont	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(5)	ZF-S	G	0.31	11	CL					0.24	0.37
319	SN68-SN68-IS20/Arg 5mm ZF-S	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	N,G	0.27	10	CL	0.26	0.45	0.24	0.41	0.21	0.36
320	SN68-SN68-IS20/Arg 6mm ZF-S N	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	N	0.28	10	CL	0.26	0.45				
321	SN68-SN68-IS20/Arg 6mm ZF-S Rect	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	G	0.29	10	CL			0.23	0.40		
322	SN68-SN68-IS20/Arg 6mm ZF-S Cont	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	G	0.29	10	CL					0.21	0.36
323	SNX62-Clr-SNX62/Arg 5mm ZF-S	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.020(2) 0.020(5)	ZF-S	N,G	0.29	11	CL	0.21	0.39	0.19	0.35	0.17	0.31
324	SNX62-Clr-SNX62/Arg 6mm ZF-S N	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(5)	ZF-S	N	0.30	11	CL	0.21	0.38				
325	SNX62-Clr-SNX62/Arg 6mm ZF-S Rect	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(5)	ZF-S	G	0.31	11	CL			0.19	0.34		
326	SNX62-Clr-SNX62/Arg 6mm ZF-S Cont	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(5)	ZF-S	G	0.31	11	CL					0.17	0.31
327	SNX62-SNX62-IS20/Arg 5mm ZF-S	0.197, 0.197, 0.197	0.438, 0.438	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	N,G	0.27	10	CL	0.18	0.37	0.16	0.34	0.15	0.30
328	SNX62-SNX62-IS20/Arg 6mm ZF-S N	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	N	0.28	10	CL	0.18	0.37				
329	SNX62-SNX62-IS20/Arg 6mm ZF-S Rect	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	G	0.28	10	CL			0.16	0.33		
330	SNX62-SNX62-IS20/Arg 6mm ZF-S Cont	0.236, 0.236, 0.236	0.375, 0.375	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	G	0.28	10	CL					0.15	0.30
331	SN68-SN68-IS20/Arg 5mm TS-D	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	N,G	0.27	10	CL	0.26	0.45	0.24	0.41	0.21	0.36
332	SN68-SN68-IS20/Arg 6mm TS-D N	0.236, 0.236, 0.236	0.399, 0.399	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	N	0.27	10	CL	0.26	0.45				
333	SN68-SN68-IS20/Arg 6mm TS-D Rect	0.236, 0.236, 0.236	0.399, 0.399	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	G	0.28	10	CL			0.23	0.40		
334	SN68-SN68-IS20/Arg 6mm TS-D Cont	0.236, 0.236, 0.236	0.399, 0.399	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	G	0.28	10	CL					0.21	0.36
335	SNX62-SNX62-IS20/Arg 5mm TS-D	0.197, 0.197, 0.197	0.462, 0.462	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	N,G	0.26	10	CL	0.18	0.37	0.16	0.34	0.15	0.30
336	SNX62-SNX62-IS20/Arg 6mm TS-D N	0.236, 0.236, 0.236	0.399, 0.399	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	N	0.27	10	CL	0.18	0.37				
337	SNX62-SNX62-IS20/Arg 6mm TS-D Rect	0.236, 0.236, 0.236	0.399, 0.399	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	G	0.28	10	CL			0.16	0.33		
338	SNX62-SNX62-IS20/Arg 6mm TS-D Cont	0.236, 0.236, 0.236	0.399, 0.399	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	G	0.28	10	CL					0.15	0.30

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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NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22003-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: 3800-T Fixed (Non-TB)
Operator Type: Fixed-4-Sided
Frame Type: Aluminum (Non-thermal) (AL)
Sash Type: No Sash

Product Line ID: FLE-M-102
Model Size: 1200mm x 1500mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/2/2022
Simulation Revision Date: 3/2/2022
Report Type: Recertification
Simulation Lab Code: SWWW

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

											No Dividers		Dividers < 1"		Dividers ≥ 1"	
Option	Description/Code	Glass Thicknesses	Gap Width(s)	Gas	Emissivity(sfc)	Spacer/Seal	Divider	U-Factor	CR	Tint	SHGC	VT	SHGC	VT	SHGC	VT
339	CIG366/Arg 8mm SS-D	0.315, 0.315	0.837	ARG	0.020(2)	SS-D	N,G	0.40	11	CL	0.24	0.55	0.22	0.49	0.20	0.44
340	CIG366-i89/Arg 8mm SS-D	0.315, 0.315	0.837	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.34	10	CL	0.24	0.54	0.22	0.48	0.20	0.43
341	CIG272/Arg 8mm SS-D	0.315, 0.315	0.837	ARG	0.042(2)	SS-D	N,G	0.40	11	CL	0.35	0.61	0.32	0.55	0.29	0.49
342	CIG272-i89/Arg 8mm SS-D	0.315, 0.315	0.837	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.35	10	CL	0.34	0.59	0.31	0.53	0.28	0.48
343	CIG180/Arg 8mm SS-D	0.315, 0.315	0.837	ARG	0.068(2)	SS-D	N,G	0.41	11	CL	0.52	0.67	0.47	0.60	0.42	0.54
344	CIG180-i89/Arg 8mm SS-D	0.315, 0.315	0.837	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.35	10	CL	0.50	0.65	0.46	0.59	0.41	0.52
345	Clear/Air 10mm A1-D	0.394, 0.394	0.696	AIR		A1-D	N,G	0.57	10	CL	0.62	0.70	0.56	0.63	0.51	0.56
346	SN68/Air 10mm A1-D	0.394, 0.394	0.696	AIR	0.039(2)	A1-D	N,G	0.44	10	CL	0.33	0.59	0.30	0.53	0.27	0.47
	sBZ-SN68/Air 10mm A1-D	0.394, 0.394	0.696	AIR	0.039(3)	A1-D	N,G	0.44	10	BZ	0.22	0.25	0.20	0.22	0.18	0.20
347	SN68/Arg 10mm A1-D	0.394, 0.394	0.696	ARG	0.039(2)	A1-D	N,G	0.40	10	CL	0.33	0.59	0.30	0.53	0.27	0.47
348	SNX62/Air 10mm A1-D	0.394, 0.394	0.696	AIR	0.020(2)	A1-D	N,G	0.43	10	CL	0.24	0.53	0.22	0.48	0.20	0.43
349	SNX62/Arg 10mm A1-D	0.394, 0.394	0.696	ARG	0.020(2)	A1-D	N,G	0.40	10	CL	0.24	0.53	0.22	0.48	0.20	0.43
350	SN68/Arg 10mm ZF-S	0.394, 0.394	0.687	ARG	0.039(2)	ZF-S	N,G	0.40	11	CL	0.33	0.59	0.30	0.53	0.27	0.47
351	SN68-IS20/Arg 10mm ZF-S	0.394, 0.394	0.687	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.35	10	CL	0.31	0.57	0.29	0.51	0.26	0.46
352	SNX62/Arg 10mm ZF-S	0.394, 0.394	0.687	ARG	0.020(2)	ZF-S	N,G	0.39	11	CL	0.24	0.53	0.22	0.48	0.20	0.43
353	SNX62-IS20/Arg 10mm ZF-S	0.394, 0.394	0.687	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.34	10	CL	0.23	0.52	0.21	0.46	0.19	0.41
354	SN68/Arg 10mm TS-D	0.394, 0.394	0.684	ARG	0.039(2)	TS-D	N,G	0.40	11	CL	0.33	0.59	0.30	0.53	0.27	0.47
355	SN68-IS20/Arg 10mm TS-D	0.394, 0.394	0.684	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.35	10	CL	0.31	0.57	0.29	0.51	0.26	0.46
356	SNX62/Arg 10mm TS-D	0.394, 0.394	0.684	ARG	0.020(2)	TS-D	N,G	0.39	11	CL	0.24	0.53	0.21	0.48	0.20	0.43
357	SNX62-IS20/Arg 10mm TS-D	0.394, 0.394	0.684	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.34	10	CL	0.23	0.52	0.21	0.46	0.19	0.41

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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ANSI/NFRC 100/200-2020/NFRC 500-2020 Simulation Report

Manufacturer: **Fleetwood Windows & Doors**

Contact: **Joe Zammit**

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Corona, CA 92879

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RECERTIFICATION REPORT

WESTLab Report No.: **FLE22003-SS**

WESTLab Report Date: **3/2/2022**

Revision/Addendum Date: **3/2/2022**

NFRC Product Line ID: **FLE-M-102**

Report Type: **Recertification**

Model/Series: **3800-T Fixed (Non-TB)**

Operator Type: Fixed-4-Sided

Frame Type: Aluminum (Non-thermal) (AL)

Sash Type: No Sash

Baseline Product for U-Factor Validation Testing:

Description: **Validation Unit Triple Glazed IG:** 5mm Guardian SN68 (e=0.039, sfc#2), 0.468" Air-filled Gap, 5mm Clear, 0.468" Air-Filled gap, 5mm Guardian SN68 (e=0.039, sfc #5) with Allmetal Aluminum Box spacer. The validation unit has an anodized finish. See W7 Option #999 for area weighted calculations.

Simulated U-factor: **0.31**

Test Size (mm): 1200 x 1500 (47.2in. x 59.1in.)

Physical Test Tolerance: *0.28 to 0.34*

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

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.

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.

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