

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22001-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-72

Simulation Orig Report Date: 2/18/2022

Series/Model: 3000 Series Sliding Glass Door

Model Size: 2000mm x 2000mm

Simulation Revision Date: 2/18/2022

Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)

Frame Abs.: 0.3

Report Type: Recertification

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

Simulation Lab Code: SWWW

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

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
197	CIG366/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.020(2)	SS-D	N,G	0.52	15	CL	0.23	0.51	0.21	0.45	0.18	0.39
198	CIG366/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.020(2)	SS-D	N,G	0.51	15	CL	0.23	0.50	0.21	0.44	0.18	0.38
199	CIG366-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.47	15	CL	0.22	0.50	0.20	0.44	0.18	0.38
200	CIG366-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.47	15	CL	0.22	0.49	0.20	0.43	0.18	0.38
201	CIG272/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.042(2)	SS-D	N,G	0.52	15	CL	0.34	0.57	0.30	0.50	0.27	0.43
202	CIG272/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.042(2)	SS-D	N,G	0.52	15	CL	0.33	0.56	0.30	0.49	0.26	0.43
203	CIG272-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.48	15	CL	0.33	0.55	0.29	0.49	0.26	0.42
204	CIG272-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.47	15	CL	0.33	0.55	0.29	0.48	0.26	0.42
205	CIG180/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.068(2)	SS-D	N,G	0.53	15	CL	0.51	0.63	0.45	0.55	0.40	0.48
206	CIG180/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.068(2)	SS-D	N,G	0.53	15	CL	0.50	0.62	0.44	0.54	0.39	0.47
207	CIG180-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.48	15	CL	0.49	0.61	0.44	0.54	0.38	0.46
208	CIG180-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.48	15	CL	0.48	0.60	0.42	0.53	0.37	0.46
209	Clear/Air 5mm A1-D	0.197, 0.197	0.621	AIR		A1-D	N,G	0.69	15	CL	0.59	0.64	0.53	0.56	0.46	0.49
210	Clear/Air 6mm A1-D	0.236, 0.236	0.542	AIR		A1-D	N,G	0.68	15	CL	0.58	0.64	0.51	0.56	0.45	0.48
211	SN68/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.039(2)	A1-D	N,G	0.56	15	CL	0.31	0.55	0.28	0.48	0.25	0.42
	sBZ-SN68/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.039(3)	A1-D	N,G	0.56	15	BZ	0.28	0.36	0.25	0.31	0.22	0.27
212	SN68/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.039(2)	A1-D	N,G	0.55	15	CL	0.31	0.54	0.28	0.47	0.25	0.41
	sBZ-SN68/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.039(3)	A1-D	N,G	0.55	15	BZ	0.27	0.32	0.24	0.28	0.21	0.25
213	SN68/Arg 5mm A1-D	0.197, 0.197	0.621	ARG	0.039(2)	A1-D	N,G	0.52	15	CL	0.31	0.55	0.28	0.48	0.25	0.42
214	SN68/Arg 6mm A1-D	0.236, 0.236	0.542	ARG	0.039(2)	A1-D	N,G	0.52	15	CL	0.31	0.54	0.28	0.47	0.25	0.41
215	SNX62/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.020(2)	A1-D	N,G	0.55	15	CL	0.22	0.50	0.20	0.44	0.18	0.38
216	SNX62/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.020(2)	A1-D	N,G	0.55	15	CL	0.23	0.49	0.20	0.43	0.18	0.37
217	SNX62/Arg 5mm A1-D	0.197, 0.197	0.621	ARG	0.020(2)	A1-D	N,G	0.52	15	CL	0.22	0.50	0.20	0.44	0.18	0.38
218	SNX62/Arg 6mm A1-D	0.236, 0.236	0.542	ARG	0.020(2)	A1-D	N,G	0.52	15	CL	0.22	0.49	0.20	0.43	0.18	0.37

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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Product Line ID: FLE-M-72

Simulation Orig Report Date: 2/18/2022

Series/Model: 3000 Series Sliding Glass Door

Model Size: 2000mm x 2000mm

Simulation Revision Date: 2/18/2022

Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)

Frame Abs.: 0.3

Report Type: Recertification

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

Simulation Lab Code: SWWW

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

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
219	SN68/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.039(2)	ZF-S	N,G	0.52	15	CL	0.31	0.55	0.28	0.48	0.25	0.42
220	SN68/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.039(2)	ZF-S	N,G	0.52	15	CL	0.31	0.54	0.28	0.47	0.25	0.41
221	SN68-IS20/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.48	15	CL	0.30	0.53	0.27	0.47	0.24	0.41
222	SN68-IS20/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.48	15	CL	0.30	0.53	0.27	0.46	0.24	0.40
223	SNX62/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.52	15	CL	0.22	0.50	0.20	0.44	0.18	0.38
224	SNX62/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.020(2)	ZF-S	N,G	0.51	15	CL	0.22	0.49	0.20	0.43	0.18	0.37
225	SNX62-IS20/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.48	15	CL	0.22	0.48	0.19	0.42	0.17	0.37
226	SNX62-IS20/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.47	15	CL	0.22	0.48	0.19	0.42	0.17	0.37
227	SN68/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.039(2)	TS-D	N,G	0.52	15	CL	0.31	0.55	0.28	0.48	0.25	0.42
228	SN68/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.039(2)	TS-D	N,G	0.52	15	CL	0.31	0.54	0.28	0.47	0.25	0.41
229	SN68-IS20/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.48	15	CL	0.30	0.53	0.27	0.47	0.24	0.41
230	SN68-IS20/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.48	15	CL	0.30	0.53	0.27	0.46	0.24	0.40
231	SNX62/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.020(2)	TS-D	N,G	0.52	15	CL	0.22	0.50	0.20	0.44	0.18	0.38
232	SNX62/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.020(2)	TS-D	N,G	0.51	15	CL	0.22	0.49	0.20	0.43	0.18	0.37
233	SNX62-IS20/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.48	15	CL	0.22	0.48	0.19	0.42	0.17	0.37
234	SNX62-IS20/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.47	15	CL	0.22	0.48	0.19	0.42	0.17	0.37

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 # FLE22001-1A-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-72

Simulation Orig Report Date: 2/18/2022

Series/Model: 3000 Series Sliding Glass Door

Model Size: 2000mm x 2000mm

Simulation Revision Date: 9/26/2023

Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)

Frame Abs.: 0.3

Report Type: Simple Addendum

Frame Type: Aluminum (Non-Thermally broken) (AN)

Simulation Lab Code: SWWW

Sash Type: Aluminum (Non-Thermally broken) (AN)

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
235	CIG366/Arg 5mm Jamb-Narrow	0.197, 0.197	0.632	ARG	0.020(2)	SS-D	N,G	0.50	15	CL	0.23	0.53	0.21	0.46	0.19	0.40
236	CIG366/Arg 6mm Jamb-Narrow	0.236, 0.236	0.522	ARG	0.020(2)	SS-D	N,G	0.49	15	CL	0.24	0.52	0.21	0.46	0.19	0.40
237	CIG366-i89/Arg 5mm Jamb-Narrow	0.197, 0.197	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.45	14	CL	0.23	0.51	0.21	0.45	0.18	0.39
238	CIG366-i89/Arg 6mm Jamb-Narrow	0.236, 0.236	0.522	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.45	14	CL	0.23	0.51	0.21	0.45	0.18	0.39
239	CIG272/Arg 5mm Jamb-Narrow	0.197, 0.197	0.632	ARG	0.042(2)	SS-D	N,G	0.50	15	CL	0.35	0.59	0.31	0.51	0.27	0.45
240	CIG272/Arg 6mm Jamb-Narrow	0.236, 0.236	0.522	ARG	0.042(2)	SS-D	N,G	0.50	15	CL	0.34	0.58	0.30	0.51	0.27	0.44
241	CIG272-i89/Arg 5mm Jamb-Narrow	0.197, 0.197	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.45	14	CL	0.34	0.57	0.30	0.50	0.27	0.44
242	CIG272-i89/Arg 6mm Jamb-Narrow	0.236, 0.236	0.522	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.45	14	CL	0.33	0.56	0.30	0.49	0.26	0.43
243	CIG180/Arg 5mm Jamb-Narrow	0.197, 0.197	0.632	ARG	0.068(2)	SS-D	N,G	0.51	15	CL	0.52	0.64	0.46	0.57	0.41	0.49
244	CIG180/Arg 6mm Jamb-Narrow	0.236, 0.236	0.522	ARG	0.068(2)	SS-D	N,G	0.51	15	CL	0.51	0.63	0.45	0.56	0.40	0.48
245	CIG180-i89/Arg 5mm Jamb-Narrow	0.197, 0.197	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.46	14	CL	0.51	0.63	0.45	0.55	0.40	0.48
246	CIG180-i89/Arg 6mm Jamb-Narrow	0.236, 0.236	0.522	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.46	14	CL	0.49	0.62	0.44	0.54	0.38	0.47
247	Clear/Air 5mm Jamb-Narrow	0.197, 0.197	0.621	AIR		A1-D	N,G	0.67	14	CL	0.61	0.66	0.54	0.58	0.48	0.51
248	Clear/Air 6mm Jamb-Narrow	0.236, 0.236	0.542	AIR		A1-D	N,G	0.67	14	CL	0.59	0.65	0.53	0.57	0.46	0.50
249	SN68/Air 5mm Jamb-Narrow	0.197, 0.197	0.621	AIR	0.039(2)	A1-D	N,G	0.54	15	CL	0.32	0.56	0.29	0.49	0.26	0.43
	sBZ-SN68/Air 5mm Jamb-Narrow	0.197, 0.197	0.621	AIR	0.039(3)	A1-D	N,G	0.54	15	BZ	0.29	0.37	0.26	0.32	0.23	0.28
250	SN68/Air 6mm Jamb-Narrow	0.236, 0.236	0.542	AIR	0.039(2)	A1-D	N,G	0.54	15	CL	0.32	0.56	0.29	0.49	0.25	0.43
	sBZ-SN68/Air 6mm Jamb-Narrow	0.236, 0.236	0.542	AIR	0.039(3)	A1-D	N,G	0.54	15	BZ	0.27	0.33	0.24	0.29	0.22	0.26
251	SN68/Arg 5mm Jamb-Narrow	0.197, 0.197	0.621	ARG	0.039(2)	A1-D	N,G	0.50	15	CL	0.32	0.56	0.29	0.49	0.25	0.43
252	SN68/Arg 6mm Jamb-Narrow	0.236, 0.236	0.542	ARG	0.039(2)	A1-D	N,G	0.50	15	CL	0.32	0.56	0.28	0.49	0.25	0.43
253	SNX62/Air 5mm Jamb-Narrow	0.197, 0.197	0.621	AIR	0.020(2)	A1-D	N,G	0.53	15	CL	0.23	0.51	0.21	0.45	0.18	0.39
254	SNX62/Air 6mm Jamb-Narrow	0.236, 0.236	0.542	AIR	0.020(2)	A1-D	N,G	0.53	15	CL	0.23	0.51	0.21	0.44	0.19	0.39
255	SNX62/Arg 5mm Jamb-Narrow	0.197, 0.197	0.621	ARG	0.020(2)	A1-D	N,G	0.50	15	CL	0.23	0.51	0.20	0.45	0.18	0.39
256	SNX62/Arg 6mm Jamb-Narrow	0.236, 0.236	0.542	ARG	0.020(2)	A1-D	N,G	0.50	15	CL	0.23	0.51	0.20	0.44	0.18	0.39

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Series/Model: 3000 Series Sliding Glass Door

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Frame Abs.: 0.3

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											SHGC	VT	SHGC	VT	SHGC	VT
257	SN68/Arg 5mm Jamb-Narrow	0.197, 0.197	0.625	ARG	0.039(2)	ZF-S	N,G	0.50	15	CL	0.32	0.56	0.29	0.49	0.25	0.43
258	SN68/Arg 6mm Jamb-Narrow	0.236, 0.236	0.538	ARG	0.039(2)	ZF-S	N,G	0.50	15	CL	0.32	0.56	0.28	0.49	0.25	0.43
259	SN68-IS20/Arg 5mm Jamb-Narrow	0.197, 0.197	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.46	14	CL	0.31	0.55	0.28	0.48	0.25	0.42
260	SN68-IS20/Arg 6mm Jamb-Narrow	0.236, 0.236	0.538	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.46	14	CL	0.31	0.54	0.28	0.48	0.25	0.42
261	SNX62/Arg 5mm Jamb-Narrow	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.50	15	CL	0.23	0.51	0.20	0.45	0.18	0.39
262	SNX62/Arg 6mm Jamb-Narrow	0.236, 0.236	0.538	ARG	0.020(2)	ZF-S	N,G	0.49	15	CL	0.23	0.51	0.20	0.44	0.18	0.39
263	SNX62-IS20/Arg 5mm Jamb-Narrow	0.197, 0.197	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.45	14	CL	0.22	0.50	0.20	0.44	0.18	0.38
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265	SN68/Arg 5mm Jamb-Narrow	0.197, 0.197	0.621	ARG	0.039(2)	TS-D	N,G	0.50	15	CL	0.32	0.56	0.29	0.49	0.25	0.43
266	SN68/Arg 6mm Jamb-Narrow	0.236, 0.236	0.524	ARG	0.039(2)	TS-D	N,G	0.50	15	CL	0.32	0.56	0.28	0.49	0.25	0.43
267	SN68-IS20/Arg 5mm Jamb-Narrow	0.197, 0.197	0.621	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.46	14	CL	0.31	0.55	0.28	0.48	0.25	0.42
268	SN68-IS20/Arg 6mm Jamb-Narrow	0.236, 0.236	0.524	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.46	14	CL	0.31	0.54	0.28	0.48	0.25	0.42
269	SNX62/Arg 5mm Jamb-Narrow	0.197, 0.197	0.621	ARG	0.020(2)	TS-D	N,G	0.50	15	CL	0.23	0.51	0.20	0.45	0.18	0.39
270	SNX62/Arg 6mm Jamb-Narrow	0.236, 0.236	0.524	ARG	0.020(2)	TS-D	N,G	0.49	15	CL	0.23	0.51	0.20	0.44	0.18	0.39
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**WESTLab**An NFRC Accredited
Simulation Laboratory**ANSI/NFRC 100/200-2020/NFRC 500-2020
Simulation Report****Manufacturer: Fleetwood Windows & Doors****Contact: Joe Zammit****Address: 1 Fleetwood Way
Corona, CA 92879****Phone: 951-279-1070****RECERTIFICATION
REPORT****WESTLab Report No.:****FLE22001-SS****WESTLab Report Date:****2/18/2022****Revision/Addendum Date:****2/18/2022****NFRC Product Line ID:****FLE-M-72****Report Type:****Recertification****Model/Series: 3000 Series Sliding Glass Door****Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)****Frame Type: Aluminum (Non-thermal) (AL)****Sash Type: Aluminum (Non-thermal) (AL)****Baseline Product for U-Factor Validation Testing:****Description: Validation Unit Dual Glazed IG: 5mm Guardian SN68 (e=0.039, sfc#2),
0.621" Air-filled Gap, 5mm Clear with Allmetal Aluminum Box spacer. The
validation unit has an anodized finish. See W7 Option #999 for area
weighted calculations.****Simulated U-factor: 0.55****Test Size (mm): 2000 x 2000 (78.7in. x 78.7in.)****Physical Test Tolerance: 0.50 to 0.61**

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. 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.

Ken Nittler: 1721 Arroyo Drive, Auburn, CA 95603. Phone: (530) 885-9891 e-mail: ken@westlab.net
Ross DePaola: 3473 Dell Drive, Madison, WI 53718-6629. Phone: (608) 221-9510, e-mail: ross@westlab.net
Jeff Baker: 4 Beck Blvd. Unit 7, Penetang, ON L9M 2H3. Phone: (613) 903-9798, e-mail: jeff@westlab.net