

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE23004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-71

Simulation Orig Report Date: 7/11/2023

Series/Model: 330-T Horizontal Slider

Model Size: 1500mm x 1200mm

Simulation Revision Date: 7/11/2023

Operator Type: Horizontal Slider-Fixed/Operable

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/Thermal Breaks (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
276	CIG366/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.020(2)	SS-D	N,G	0.41	40	CL	0.22	0.49	0.20	0.43	0.18	0.38
277	CIG366/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.020(2)	SS-D	N,G	0.40	40	CL	0.22	0.48	0.20	0.43	0.18	0.38
278	CIG366-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.37	39	CL	0.21	0.47	0.19	0.42	0.17	0.37
279	CIG366-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.36	39	CL	0.21	0.47	0.19	0.42	0.17	0.37
280	CIG272/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.042(2)	SS-D	N,G	0.42	40	CL	0.32	0.54	0.29	0.48	0.26	0.42
281	CIG272/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.042(2)	SS-D	N,G	0.41	40	CL	0.31	0.53	0.28	0.47	0.25	0.42
282	CIG272-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.37	39	CL	0.31	0.53	0.28	0.47	0.25	0.41
283	CIG272-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.37	39	CL	0.31	0.52	0.28	0.46	0.25	0.41
284	CIG180/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.068(2)	SS-D	N,G	0.42	40	CL	0.48	0.59	0.43	0.53	0.39	0.47
285	CIG180/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.068(2)	SS-D	N,G	0.42	40	CL	0.47	0.58	0.42	0.52	0.38	0.46
286	CIG180-i89/Arg 5mm SS-D	0.197, 0.197	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.38	39	CL	0.47	0.58	0.42	0.52	0.37	0.46
287	CIG180-i89/Arg 6mm SS-D	0.236, 0.236	0.522	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.37	39	CL	0.45	0.57	0.41	0.51	0.36	0.45
288	Clear/Air 5mm A1-D	0.197, 0.197	0.621	AIR		A1-D	N,G	0.59	35	CL	0.56	0.61	0.50	0.54	0.45	0.48
289	Clear/Air 6mm A1-D	0.236, 0.236	0.542	AIR		A1-D	N,G	0.59	35	CL	0.55	0.60	0.49	0.54	0.44	0.47
290	SN68/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.039(2)	A1-D	N,G	0.47	36	CL	0.30	0.52	0.27	0.46	0.24	0.41
	sBZ-SN68/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.039(3)	A1-D	N,G	0.47	36	BZ	0.27	0.34	0.24	0.30	0.22	0.27
291	SN68/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.039(2)	A1-D	N,G	0.46	36	CL	0.30	0.51	0.27	0.46	0.24	0.40
	sBZ-SN68/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.039(3)	A1-D	N,G	0.46	36	BZ	0.25	0.31	0.23	0.27	0.20	0.24
292	SN68/Arg 5mm A1-D	0.197, 0.197	0.621	ARG	0.039(2)	A1-D	N,G	0.43	36	CL	0.29	0.52	0.27	0.46	0.24	0.41
293	SN68/Arg 6mm A1-D	0.236, 0.236	0.542	ARG	0.039(2)	A1-D	N,G	0.43	37	CL	0.29	0.51	0.26	0.46	0.24	0.40
294	SNX62/Air 5mm A1-D	0.197, 0.197	0.621	AIR	0.020(2)	A1-D	N,G	0.46	36	CL	0.21	0.47	0.19	0.42	0.17	0.37
295	SNX62/Air 6mm A1-D	0.236, 0.236	0.542	AIR	0.020(2)	A1-D	N,G	0.46	36	CL	0.21	0.47	0.19	0.41	0.17	0.37
296	SNX62/Arg 5mm A1-D	0.197, 0.197	0.621	ARG	0.020(2)	A1-D	N,G	0.43	36	CL	0.21	0.47	0.19	0.42	0.17	0.37
297	SNX62/Arg 6mm A1-D	0.236, 0.236	0.542	ARG	0.020(2)	A1-D	N,G	0.42	37	CL	0.21	0.47	0.19	0.41	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)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE23004-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: FLE-M-71

Simulation Orig Report Date: 7/11/2023

Series/Model: 330-T Horizontal Slider

Model Size: 1500mm x 1200mm

Simulation Revision Date: 7/11/2023

Operator Type: Horizontal Slider-Fixed/Operable

Frame Abs.: 0.3

Report Type: Recertification

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Aluminum w/Thermal Breaks (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
298	SN68/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.039(2)	ZF-S	N,G	0.41	41	CL	0.29	0.52	0.27	0.46	0.24	0.41
299	SN68/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.039(2)	ZF-S	N,G	0.41	41	CL	0.29	0.51	0.26	0.46	0.24	0.40
300	SN68-IS20/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.37	39	CL	0.29	0.51	0.26	0.45	0.23	0.40
301	SN68-IS20/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.37	39	CL	0.29	0.50	0.26	0.45	0.23	0.39
302	SNX62/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.41	41	CL	0.21	0.47	0.19	0.42	0.17	0.37
303	SNX62/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.020(2)	ZF-S	N,G	0.40	41	CL	0.21	0.47	0.19	0.41	0.17	0.37
304	SNX62-IS20/Arg 5mm ZF-S	0.197, 0.197	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.37	40	CL	0.20	0.46	0.18	0.41	0.17	0.36
305	SNX62-IS20/Arg 6mm ZF-S	0.236, 0.236	0.538	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.37	39	CL	0.20	0.46	0.18	0.41	0.17	0.36
306	SN68/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.039(2)	TS-D	N,G	0.42	40	CL	0.29	0.52	0.27	0.46	0.24	0.41
307	SN68/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.039(2)	TS-D	N,G	0.41	40	CL	0.29	0.51	0.26	0.46	0.24	0.40
308	SN68-IS20/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.38	38	CL	0.29	0.51	0.26	0.45	0.23	0.40
309	SN68-IS20/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.38	38	CL	0.29	0.50	0.26	0.45	0.23	0.39
310	SNX62/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.020(2)	TS-D	N,G	0.41	40	CL	0.21	0.47	0.19	0.42	0.17	0.37
311	SNX62/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.020(2)	TS-D	N,G	0.41	40	CL	0.21	0.47	0.19	0.41	0.17	0.37
312	SNX62-IS20/Arg 5mm TS-D	0.197, 0.197	0.621	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.37	38	CL	0.20	0.46	0.18	0.41	0.17	0.36
313	SNX62-IS20/Arg 6mm TS-D	0.236, 0.236	0.524	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.37	38	CL	0.20	0.46	0.18	0.41	0.17	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)

Manufacturer: **Fleetwood Windows & Doors**

Contact: **Joe Zammit**

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Phone: 951-279-1070

**RECERTIFICATION
REPORT**

Model/Series: **330-T Horizontal Slider**

WESTLab Report No.:

FLE23004-SS

WESTLab Report Date:

7/11/2023

Revision/Addendum Date:

7/11/2023

NFRC Product Line ID:

FLE-M-71

Report Type:

Recertification

Operator Type: Horizontal Slider-Fixed/Operable

Frame Type: Aluminum w/Thermal Breaks (AT)

Sash Type: Aluminum w/Thermal Breaks (AT)

Baseline Product for U-Factor Validation Testing:

Description: **Validation Unit Dual Glazed IG:** 6mm Cardinal LE366 (e=0.020, sfc#2), 0.522" Air-filled Gap, 6mm Clear with Cardinal Endur spacer and no grids. The validation unit has an anodized finish. See W7 Option #999 for area weighted calculations.

Simulated U-factor: **0.43**

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

Physical Test Tolerance: 0.39 to 0.47

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 500-2017, 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 Certificate of Authorization (CA) 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.