

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE23002-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: NEW

Simulation Orig Report Date: 6/12/2023

Series/Model: EDGE |p| Pivot Door

Model Size: 960mm x 2090mm

Simulation Revision Date: 6/12/2023

Operator Type: Single Door-Stile & Rail

Frame Abs.: 0.3

Report Type: New

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
001	Clear/Air 5mm A1-D	0.197, 0.197	0.851	AIR		A1-D	N,G	0.57	38	CL	0.67	0.74	0.60	0.65	0.53	0.57
002	Clear/Air 6mm A1-D	0.236, 0.236	0.788	AIR		A1-D	N,G	0.57	38	CL	0.65	0.73	0.58	0.64	0.52	0.56
003	SN68/Air 5mm A1-D	0.197, 0.197	0.851	AIR	0.039(2)	A1-D	N,G	0.43	39	CL	0.35	0.63	0.32	0.56	0.28	0.49
	sBZ-SN68/Air 5mm A1-D	0.197, 0.197	0.851	AIR	0.039(3)	A1-D	N,G	0.43	39	BZ	0.32	0.41	0.28	0.36	0.25	0.32
004	SN68/Air 6mm A1-D	0.236, 0.236	0.788	AIR	0.039(2)	A1-D	N,G	0.42	39	CL	0.35	0.62	0.31	0.55	0.28	0.48
	sBZ-SN68/Air 6mm A1-D	0.236, 0.236	0.788	AIR	0.039(3)	A1-D	N,G	0.42	39	BZ	0.29	0.37	0.26	0.33	0.24	0.29
005	SN68/Arg 5mm A1-D	0.197, 0.197	0.851	ARG	0.039(2)	A1-D	N,G	0.39	39	CL	0.35	0.63	0.32	0.56	0.28	0.49
006	SN68/Arg 6mm A1-D	0.236, 0.236	0.788	ARG	0.039(2)	A1-D	N,G	0.39	40	CL	0.35	0.62	0.31	0.55	0.28	0.48
007	SN68/Air 5mm TS-D	0.197, 0.197	0.817	AIR	0.039(2)	TS-D	N,G	0.40	45	CL	0.35	0.63	0.32	0.56	0.28	0.49
008	SN68/Air 6mm TS-D	0.236, 0.236	0.784	AIR	0.039(2)	TS-D	N,G	0.40	46	CL	0.35	0.62	0.31	0.55	0.28	0.48
009	SN68/Arg 5mm TS-D	0.197, 0.197	0.817	ARG	0.039(2)	TS-D	N,G	0.36	46	CL	0.35	0.63	0.32	0.56	0.28	0.49
010	SN68/Arg 6mm TS-D	0.236, 0.236	0.784	ARG	0.039(2)	TS-D	N,G	0.36	46	CL	0.35	0.62	0.31	0.55	0.28	0.48
011	SN68-IS20/Air 5mm TS-D	0.197, 0.197	0.817	AIR	0.039(2) 0.198(4)	TS-D	N,G	0.34	43	CL	0.34	0.61	0.31	0.54	0.27	0.47
012	SN68-IS20/Air 6mm TS-D	0.236, 0.236	0.784	AIR	0.039(2) 0.198(4)	TS-D	N,G	0.34	43	CL	0.34	0.61	0.30	0.54	0.27	0.47
013	SN68-IS20/Arg 5mm TS-D	0.197, 0.197	0.817	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.31	45	CL	0.34	0.61	0.31	0.54	0.27	0.47
014	SN68-IS20/Arg 6mm TS-D	0.236, 0.236	0.784	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.31	45	CL	0.34	0.61	0.30	0.54	0.27	0.47
015	SNX62/Air 5mm A1-D	0.197, 0.197	0.851	AIR	0.020(2)	A1-D	N,G	0.42	39	CL	0.25	0.57	0.23	0.51	0.20	0.44
016	SNX62/Air 6mm A1-D	0.236, 0.236	0.788	AIR	0.020(2)	A1-D	N,G	0.42	39	CL	0.25	0.57	0.23	0.50	0.20	0.44
017	SNX62/Arg 5mm A1-D	0.197, 0.197	0.851	ARG	0.020(2)	A1-D	N,G	0.38	39	CL	0.25	0.57	0.22	0.51	0.20	0.44
018	SNX62/Arg 6mm A1-D	0.236, 0.236	0.788	ARG	0.020(2)	A1-D	N,G	0.38	40	CL	0.25	0.57	0.22	0.50	0.20	0.44
019	SNX62/Air 5mm TS-D	0.197, 0.197	0.817	AIR	0.020(2)	TS-D	N,G	0.40	46	CL	0.25	0.57	0.23	0.51	0.20	0.44
020	SNX62/Air 6mm TS-D	0.236, 0.236	0.784	AIR	0.020(2)	TS-D	N,G	0.40	46	CL	0.25	0.57	0.23	0.50	0.20	0.44
021	SNX62/Arg 5mm TS-D	0.197, 0.197	0.817	ARG	0.020(2)	TS-D	N,G	0.36	46	CL	0.25	0.57	0.22	0.51	0.20	0.44
022	SNX62/Arg 6mm TS-D	0.236, 0.236	0.784	ARG	0.020(2)	TS-D	N,G	0.35	46	CL	0.25	0.57	0.22	0.50	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)

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Series/Model: EDGE |p| Pivot Door

Model Size: 960mm x 2090mm

Simulation Revision Date: 6/12/2023

Operator Type: Single Door-Stile & Rail

Frame Abs.: 0.3

Report Type: New

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
023	SNX62-IS20/Air 5mm TS-D	0.197, 0.197	0.817	AIR	0.020(2) 0.198(4)	TS-D	N,G	0.34	43	CL	0.24	0.55	0.22	0.49	0.20	0.43
024	SNX62-IS20/Air 6mm TS-D	0.236, 0.236	0.784	AIR	0.020(2) 0.198(4)	TS-D	N,G	0.34	43	CL	0.24	0.55	0.22	0.49	0.20	0.43
025	SNX62-IS20/Arg 5mm TS-D	0.197, 0.197	0.817	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.31	45	CL	0.24	0.55	0.22	0.49	0.19	0.43
026	SNX62-IS20/Arg 6mm TS-D	0.236, 0.236	0.784	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.31	45	CL	0.24	0.55	0.22	0.49	0.19	0.43
027	SN68/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.039(2)	ZF-S	N,G	0.36	47	CL	0.35	0.63	0.32	0.56	0.28	0.49
028	SN68/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.039(2)	ZF-S	N,G	0.35	47	CL	0.35	0.62	0.31	0.55	0.28	0.48
029	SN68-IS20/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.31	45	CL	0.34	0.61	0.31	0.54	0.27	0.47
030	SN68-IS20/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.31	46	CL	0.34	0.61	0.30	0.54	0.27	0.47
031	SNX62/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.020(2)	ZF-S	N,G	0.35	47	CL	0.25	0.57	0.22	0.51	0.20	0.44
032	SNX62/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.020(2)	ZF-S	N,G	0.35	47	CL	0.25	0.57	0.22	0.50	0.20	0.44
033	SNX62-IS20/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.31	46	CL	0.24	0.55	0.22	0.49	0.19	0.43
034	SNX62-IS20/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.30	46	CL	0.24	0.55	0.22	0.49	0.19	0.43
035	CIG366/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.020(2)	SS-D	N,G	0.36	46	CL	0.26	0.59	0.23	0.52	0.21	0.46
036	CIG366/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.020(2)	SS-D	N,G	0.35	47	CL	0.26	0.58	0.23	0.51	0.21	0.45
037	CIG366-i89/Air 5mm SS-D	0.197, 0.197	0.837	AIR	0.020(2) 0.149(4)	SS-D	N,G	0.33	43	CL	0.25	0.57	0.23	0.51	0.20	0.44
038	CIG366-i89/Air 6mm SS-D	0.236, 0.236	0.778	AIR	0.020(2) 0.149(4)	SS-D	N,G	0.33	43	CL	0.25	0.56	0.23	0.50	0.20	0.44
039	CIG366-i89/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.30	45	CL	0.25	0.57	0.23	0.51	0.20	0.44
040	CIG366-i89/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.30	45	CL	0.25	0.56	0.22	0.50	0.20	0.44
041	CIG272/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.042(2)	SS-D	N,G	0.36	46	CL	0.38	0.65	0.34	0.58	0.30	0.51
042	CIG272/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.042(2)	SS-D	N,G	0.36	46	CL	0.37	0.64	0.33	0.57	0.30	0.50
043	CIG272-i89/Air 5mm SS-D	0.197, 0.197	0.837	AIR	0.042(2) 0.149(4)	SS-D	N,G	0.34	43	CL	0.37	0.64	0.33	0.56	0.30	0.49
044	CIG272-i89/Air 6mm SS-D	0.236, 0.236	0.778	AIR	0.042(2) 0.149(4)	SS-D	N,G	0.33	42	CL	0.36	0.63	0.33	0.55	0.29	0.49
045	CIG272-i89/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.31	45	CL	0.37	0.64	0.33	0.56	0.30	0.49
046	CIG272-i89/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.31	45	CL	0.36	0.63	0.33	0.55	0.29	0.49

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Frame Abs.: 0.3

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Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

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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
047	CIG180/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.068(2)	SS-D	N,G	0.37	46	CL	0.58	0.72	0.51	0.63	0.46	0.56
048	CIG180/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.068(2)	SS-D	N,G	0.37	46	CL	0.56	0.71	0.50	0.62	0.44	0.55
049	CIG180-i89/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.31	45	CL	0.56	0.70	0.50	0.62	0.44	0.54
050	CIG180-i89/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.31	44	CL	0.54	0.69	0.48	0.61	0.43	0.54
051	CIG366/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.020(2)	ZF-S	N,G	0.35	47	CL	0.26	0.59	0.23	0.52	0.21	0.46
052	CIG366/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.020(2)	ZF-S	N,G	0.35	47	CL	0.26	0.58	0.23	0.51	0.21	0.45
053	CIG366-i89/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.020(2) 0.149(4)	ZF-S	N,G	0.30	45	CL	0.25	0.57	0.23	0.51	0.20	0.44
054	CIG366-i89/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.020(2) 0.149(4)	ZF-S	N,G	0.30	46	CL	0.25	0.56	0.22	0.50	0.20	0.44
055	CIG366/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.020(2)	SS-D	N,G	0.35	46	CL	0.25	0.56	0.23	0.50	0.20	0.44
056	CIG366-i89/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.30	45	CL	0.25	0.55	0.22	0.49	0.20	0.43
057	CIG272/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.042(2)	SS-D	N,G	0.35	46	CL	0.36	0.63	0.33	0.55	0.29	0.49
058	CIG272-i89/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.30	44	CL	0.35	0.61	0.32	0.54	0.28	0.48
059	CIG180/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.068(2)	SS-D	N,G	0.36	46	CL	0.54	0.69	0.48	0.61	0.43	0.53
060	CIG180-i89/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.31	44	CL	0.52	0.67	0.46	0.60	0.41	0.52
061	Clear/Air 10mm A1-D	0.394, 0.394	0.476	AIR		A1-D	N,G	0.55	39	CL	0.64	0.72	0.57	0.64	0.51	0.56
062	SN68/Air 10mm A1-D	0.394, 0.394	0.476	AIR	0.039(2)	A1-D	N,G	0.40	41	CL	0.35	0.61	0.31	0.54	0.28	0.47
	sBZ-SN68/Air 10mm A1-D	0.394, 0.394	0.476	AIR	0.039(3)	A1-D	N,G	0.40	41	BZ	0.24	0.26	0.21	0.23	0.19	0.20
063	SN68/Arg 10mm A1-D	0.394, 0.394	0.476	ARG	0.039(2)	A1-D	N,G	0.37	41	CL	0.34	0.61	0.31	0.54	0.27	0.47
064	SNX62/Air 10mm A1-D	0.394, 0.394	0.476	AIR	0.020(2)	A1-D	N,G	0.40	41	CL	0.25	0.55	0.23	0.49	0.21	0.43
065	SNX62/Arg 10mm A1-D	0.394, 0.394	0.476	ARG	0.020(2)	A1-D	N,G	0.36	41	CL	0.25	0.55	0.22	0.49	0.20	0.43
066	SN68/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.039(2)	ZF-S	N,G	0.34	47	CL	0.34	0.61	0.31	0.54	0.27	0.47
067	SN68-IS20/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.30	45	CL	0.33	0.59	0.30	0.52	0.26	0.45
068	SNX62/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.020(2)	ZF-S	N,G	0.33	47	CL	0.25	0.55	0.22	0.49	0.20	0.43
069	SNX62-IS20/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.30	45	CL	0.24	0.53	0.22	0.47	0.19	0.41

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Simulation Lab Code: SWWW

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

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070	SN68/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.039(2)	TS-D	N,G	0.35	45	CL	0.34	0.61	0.31	0.54	0.27	0.47
071	SN68-IS20/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.31	43	CL	0.33	0.59	0.30	0.52	0.26	0.45
072	SNX62/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.020(2)	TS-D	N,G	0.34	45	CL	0.25	0.55	0.22	0.49	0.20	0.43
073	SNX62-IS20/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.30	44	CL	0.24	0.53	0.22	0.47	0.19	0.41

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Manufacturer: Fleetwood Windows & Doors

Contact: Joe Zammit

NEW PRODUCT LINE

Address: 1 Fleetwood Way
Corona, CA 92879

Phone: 951-279-1070

Model/Series: EDGE |p| Pivot Door

Operator Type: Single Door-Stile & Rail

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 Guardian SN68 (e=0.039, sfc#2), 0.788" 90% Argon-filled Gap, 6mm Clear with Allmetal Aluminum Box spacer and no grids. The validation unit has an anodized finish. See W7 Option #999 for area weighted calculations.

Simulated U-factor: 0.38

Test Size (mm): 1000 x 2000 (39.4in. x 78.7in.)

Physical Test Tolerance: 0.34 to 0.42

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.