NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22004-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: EDGE S – OX Sliding Door (w/Edge |f|)
Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)
Frame Type: Aluminum w/ Thermal Breaks - Partial (AP)
Sash Type: Aluminum w/ Thermal Breaks - Partial (AP)

Product Line ID: FLE-M-121
Model Size: 2000mm x 2000mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/22/2022
Simulation Revision Date: 3/22/2022
Report Type: New
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
001	CIG366/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.020(2)	SS-D	N,G	**0.36**	**25**	CL	**0.27**	0.62	**0.24**	0.55	**0.22**	0.48
002	CIG366/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.020(2)	SS-D	N,G	**0.36**	**26**	CL	**0.26**	0.61	**0.24**	0.54	**0.21**	0.48
003	CIG366-i89/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.020(2) 0.149(4)	SS-D	N,G	**0.31**	**25**	CL	**0.26**	0.60	**0.23**	0.54	**0.21**	0.47
004	CIG366-i89/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.020(2) 0.149(4)	SS-D	N,G	**0.31**	**25**	CL	**0.26**	0.60	**0.23**	0.53	**0.21**	0.47
005	CIG272/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.042(2)	SS-D	N,G	**0.37**	**25**	CL	**0.40**	0.69	**0.35**	0.61	**0.32**	0.54
006	CIG272/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.042(2)	SS-D	N,G	**0.37**	**25**	CL	**0.39**	0.68	**0.35**	0.60	**0.31**	0.53
007	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**	**25**	CL	**0.39**	0.67	**0.35**	0.60	**0.31**	0.52
008	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**	**25**	CL	**0.38**	0.66	**0.34**	0.59	**0.30**	0.52
009	CIG180/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.068(2)	SS-D	N,G	**0.38**	**25**	CL	**0.60**	0.76	**0.54**	0.67	**0.48**	0.59
010	CIG180/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.068(2)	SS-D	N,G	**0.38**	**25**	CL	**0.59**	0.75	**0.52**	0.66	**0.47**	0.58
011	CIG180-i89/Arg 5mm SS-D	0.197, 0.197	0.837	ARG	0.068(2) 0.149(4)	SS-D	N,G	**0.32**	**25**	CL	**0.59**	0.74	**0.52**	0.66	**0.46**	0.58
012	CIG180-i89/Arg 6mm SS-D	0.236, 0.236	0.778	ARG	0.068(2) 0.149(4)	SS-D	N,G	**0.32**	**25**	CL	**0.57**	0.73	**0.51**	0.65	**0.45**	0.57
013	Clear/Air 5mm A1-D	0.197, 0.197	0.851	AIR		A1-D	N,G	**0.57**	**24**	CL	**0.71**	0.78	**0.63**	0.69	**0.56**	0.61
014	Clear/Air 6mm A1-D	0.236, 0.236	0.788	AIR		A1-D	N,G	**0.57**	**24**	CL	**0.69**	0.77	**0.61**	0.68	**0.54**	0.60
015	SN68/Air 5mm A1-D	0.197, 0.197	0.851	AIR	0.039(2)	A1-D	N,G	**0.42**	**24**	CL	**0.37**	0.66	**0.33**	0.59	**0.29**	0.52
	sBZ-SN68/Air 5mm A1-D	0.197, 0.197	0.851	AIR	0.039(3)	A1-D	N,G	**0.42**	**24**	BZ	**0.33**	0.43	**0.30**	0.38	**0.26**	0.34
016	SN68/Air 6mm A1-D	0.236, 0.236	0.788	AIR	0.039(2)	A1-D	N,G	**0.42**	**24**	CL	**0.36**	0.65	**0.33**	0.58	**0.29**	0.51
	sBZ-SN68/Air 6mm A1-D	0.236, 0.236	0.788	AIR	0.039(3)	A1-D	N,G	**0.42**	**24**	BZ	**0.31**	0.39	**0.27**	0.35	**0.25**	0.31
017	SN68/Arg 5mm A1-D	0.197, 0.197	0.851	ARG	0.039(2)	A1-D	N,G	**0.38**	**24**	CL	**0.36**	0.66	**0.33**	0.59	**0.29**	0.52
018	SN68/Arg 6mm A1-D	0.236, 0.236	0.788	ARG	0.039(2)	A1-D	N,G	**0.38**	**24**	CL	**0.36**	0.65	**0.32**	0.58	**0.29**	0.51
019	SNX62/Air 5mm A1-D	0.197, 0.197	0.851	AIR	0.020(2)	A1-D	N,G	**0.42**	**24**	CL	**0.26**	0.60	**0.23**	0.53	**0.21**	0.47
020	SNX62/Air 6mm A1-D	0.236, 0.236	0.788	AIR	0.020(2)	A1-D	N,G	**0.41**	**24**	CL	**0.26**	0.59	**0.23**	0.53	**0.21**	0.46
021	SNX62/Arg 5mm A1-D	0.197, 0.197	0.851	ARG	0.020(2)	A1-D	N,G	**0.37**	**24**	CL	**0.26**	0.60	**0.23**	0.53	**0.21**	0.47
022	SNX62/Arg 6mm A1-D	0.236, 0.236	0.788	ARG	0.020(2)	A1-D	N,G	**0.37**	**24**	CL	**0.25**	0.59	**0.23**	0.53	**0.21**	0.46

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 # FLE22004-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: EDGE S – OX Sliding Door (w/Edge |f|)
Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)
Frame Type: Aluminum w/ Thermal Breaks - Partial (AP)
Sash Type: Aluminum w/ Thermal Breaks - Partial (AP)

Product Line ID: FLE-M-121
Model Size: 2000mm x 2000mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/22/2022
Simulation Revision Date: 3/22/2022
Report Type: New
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
023	SN68/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.039(2)	ZF-S	N,G	**0.37**	**26**	CL	**0.36**	0.66	**0.33**	0.59	**0.29**	0.52
024	SN68/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.039(2)	ZF-S	N,G	**0.37**	**26**	CL	**0.36**	0.65	**0.32**	0.58	**0.29**	0.51
025	SN68-IS20/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.039(2) 0.198(4)	ZF-S	N,G	**0.32**	**25**	CL	**0.35**	0.65	**0.32**	0.57	**0.28**	0.50
026	SN68-IS20/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.039(2) 0.198(4)	ZF-S	N,G	**0.32**	**25**	CL	**0.35**	0.64	**0.32**	0.57	**0.28**	0.50
027	SNX62/Arg 5mm ZF-S	0.197, 0.197	0.875	ARG	0.020(2)	ZF-S	N,G	**0.36**	**26**	CL	**0.26**	0.60	**0.23**	0.53	**0.21**	0.47
028	SNX62/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.020(2)	ZF-S	N,G	**0.36**	**26**	CL	**0.25**	0.59	**0.23**	0.53	**0.21**	0.46
029	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**	**25**	CL	**0.25**	0.59	**0.22**	0.52	**0.20**	0.46
030	SNX62-IS20/Arg 6mm ZF-S	0.236, 0.236	0.750	ARG	0.020(2) 0.198(4)	ZF-S	N,G	**0.31**	**25**	CL	**0.25**	0.58	**0.22**	0.52	**0.20**	0.45
031	SN68/Arg 5mm TS-D	0.197, 0.197	0.784	ARG	0.039(2)	TS-D	N,G	**0.37**	**26**	CL	**0.36**	0.66	**0.33**	0.59	**0.29**	0.52
032	SN68/Arg 6mm TS-D	0.236, 0.236	0.747	ARG	0.039(2)	TS-D	N,G	**0.37**	**25**	CL	**0.36**	0.65	**0.32**	0.58	**0.29**	0.51
033	SN68-IS20/Arg 5mm TS-D	0.197, 0.197	0.784	ARG	0.039(2) 0.198(4)	TS-D	N,G	**0.32**	**25**	CL	**0.35**	0.65	**0.32**	0.57	**0.28**	0.50
034	SN68-IS20/Arg 6mm TS-D	0.236, 0.236	0.747	ARG	0.039(2) 0.198(4)	TS-D	N,G	**0.32**	**25**	CL	**0.35**	0.64	**0.32**	0.57	**0.28**	0.50
035	SNX62/Arg 5mm TS-D	0.197, 0.197	0.784	ARG	0.020(2)	TS-D	N,G	**0.36**	**26**	CL	**0.25**	0.60	**0.23**	0.53	**0.21**	0.47
036	SNX62/Arg 6mm TS-D	0.236, 0.236	0.747	ARG	0.020(2)	TS-D	N,G	**0.36**	**26**	CL	**0.25**	0.59	**0.23**	0.53	**0.21**	0.46
037	SNX62-IS20/Arg 5mm TS-D	0.197, 0.197	0.784	ARG	0.020(2) 0.198(4)	TS-D	N,G	**0.32**	**25**	CL	**0.25**	0.59	**0.22**	0.52	**0.20**	0.46
038	SNX62-IS20/Arg 6mm TS-D	0.236, 0.236	0.747	ARG	0.020(2) 0.198(4)	TS-D	N,G	**0.31**	**25**	CL	**0.25**	0.58	**0.22**	0.52	**0.20**	0.45
039	CIG366/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.020(2)	SS-D	N,G	**0.35**	**26**	CL	**0.26**	0.60	**0.24**	0.53	**0.21**	0.47
040	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**	**25**	CL	**0.25**	0.58	**0.23**	0.52	**0.21**	0.46
041	CIG272/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.042(2)	SS-D	N,G	**0.36**	**26**	CL	**0.38**	0.66	**0.34**	0.59	**0.30**	0.52
042	CIG272-i89/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	**0.31**	**25**	CL	**0.37**	0.65	**0.33**	0.57	**0.30**	0.51
043	CIG180/Arg 8mm SS-D	0.315, 0.315	0.632	ARG	0.068(2)	SS-D	N,G	**0.37**	**25**	CL	**0.56**	0.73	**0.50**	0.65	**0.45**	0.57
044	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**	**25**	CL	**0.54**	0.71	**0.49**	0.63	**0.43**	0.56
045	Clear/Air 10mm A1-D	0.394, 0.394	0.476	AIR		A1-D	N,G	**0.56**	**24**	CL	**0.67**	0.76	**0.60**	0.67	**0.53**	0.59
046	SN68/Air 10mm A1-D	0.394, 0.394	0.476	AIR	0.039(2)	A1-D	N,G	**0.40**	**25**	CL	**0.36**	0.64	**0.32**	0.57	**0.29**	0.50

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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Initials: SZ

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE22004-SS

Manufacturer: Fleetwood Windows & Doors
Series/Model: EDGE S – OX Sliding Door (w/Edge |f|)
Operator Type: Sliding Glass Door-Sliding Glass Door (XX or OX)
Frame Type: Aluminum w/ Thermal Breaks - Partial (AP)
Sash Type: Aluminum w/ Thermal Breaks - Partial (AP)

Product Line ID: FLE-M-121
Model Size: 2000mm x 2000mm
Frame Abs.: 0.3

Simulation Orig Report Date: 3/22/2022
Simulation Revision Date: 3/22/2022
Report Type: New
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
	sBZ-SN68/Air 10mm A1-D	0.394, 0.394	0.476	AIR	0.039(3)	A1-D	N,G	**0.40**	**25**	BZ	**0.24**	0.27	**0.22**	0.24	**0.20**	0.21
047	SN68/Arg 10mm A1-D	0.394, 0.394	0.476	ARG	0.039(2)	A1-D	N,G	**0.36**	**25**	CL	**0.35**	0.64	**0.32**	0.57	**0.28**	0.50
048	SNX62/Air 10mm A1-D	0.394, 0.394	0.476	AIR	0.020(2)	A1-D	N,G	**0.40**	**25**	CL	**0.26**	0.58	**0.24**	0.52	**0.21**	0.45
049	SNX62/Arg 10mm A1-D	0.394, 0.394	0.476	ARG	0.020(2)	A1-D	N,G	**0.35**	**25**	CL	**0.26**	0.58	**0.23**	0.52	**0.21**	0.45
050	SN68/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.039(2)	ZF-S	N,G	**0.35**	**26**	CL	**0.36**	0.64	**0.32**	0.57	**0.29**	0.50
051	SN68-IS20/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.039(2) 0.198(4)	ZF-S	N,G	**0.31**	**25**	CL	**0.34**	0.62	**0.31**	0.55	**0.28**	0.48
052	SNX62/Arg 10mm ZF-S	0.394, 0.394	0.438	ARG	0.020(2)	ZF-S	N,G	**0.35**	**26**	CL	**0.26**	0.58	**0.23**	0.52	**0.21**	0.45
053	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**	**25**	CL	**0.25**	0.56	**0.22**	0.50	**0.20**	0.44
054	SN68/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.039(2)	TS-D	N,G	**0.36**	**26**	CL	**0.36**	0.64	**0.32**	0.57	**0.29**	0.50
055	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**	**25**	CL	**0.34**	0.62	**0.31**	0.55	**0.28**	0.48
056	SNX62/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.020(2)	TS-D	N,G	**0.35**	**26**	CL	**0.26**	0.58	**0.23**	0.52	**0.21**	0.45
057	SNX62-IS20/Arg 10mm TS-D	0.394, 0.394	0.440	ARG	0.020(2) 0.198(4)	TS-D	N,G	**0.31**	**25**	CL	**0.25**	0.56	**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, Sec. 4.4)

WESTLab

Initials: SZ

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An NFRC Accredited Simulation Laboratory

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

WESTLab Report No.:	**FLE22004-SS**
WESTLab Report Date:	**3/22/2022**
Revision/Addendum Date:	**3/22/2022**
NFRC Product Line ID:	**FLE-M-121**
Report Type:	**New**

Manufacturer: **Fleetwood Windows & Doors**

Contact: **Joe Zammit** **NEW PRODUCT LINE**

Address: 1 Fleetwood Way
Corona, CA 92879

Phone: 951-279-1070

Model/Series: **EDGE S – OX Sliding Door (w/Edge |f|)**

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

Frame Type: Aluminum w/ Thermal Breaks - Partial (AP)

Sash Type: Aluminum w/ Thermal Breaks - Partial (AP)

Baseline Product for U-Factor Validation Testing:

Description: **Validation Unit Dual Glazed IG:** 10mm Guardian SN68 (e=0.039, sfc#2), 0.476" Air-filled Gap, 10mm Clear with Allmetal Aluminum Box spacer. The validation unit has an anodized finish. The wood surround is modeled on all sides of the validation unit. See W7 Option #999 for area weighted calculations.

Simulated U-factor: **0.40**

Test Size (mm): 2000 **x** 2000 **(78.7in. x 78.7in.)**

Physical Test Tolerance: *0.36 to 0.44*

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.

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