

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE24006-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: NEW

Simulation Orig Report Date: 4/2/2024

Series/Model: 450-T IG Fixed

Model Size: 1200mm x 1500mm

Simulation Revision Date: 4/2/2024

Operator Type: Fixed (Picture Windows)

Frame Abs.: 0.3

Report Type: New

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Not Applicable (NA)

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	CIG366/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.020(2)	SS-D	N,G	0.29	62	CL	0.25	0.58	0.23	0.52	0.21	0.46
002	CIG366/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.020(2)	SS-D	N,G	0.29	61	CL	0.25	0.57	0.23	0.51	0.21	0.46
003	CIG366-i89/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.25	52	CL	0.24	0.56	0.22	0.50	0.20	0.45
004	CIG366-i89/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.24	51	CL	0.24	0.55	0.22	0.50	0.20	0.45
005	CIG272/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.042(2)	SS-D	N,G	0.30	62	CL	0.37	0.64	0.33	0.57	0.30	0.51
006	CIG272/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.042(2)	SS-D	N,G	0.29	61	CL	0.36	0.63	0.33	0.57	0.30	0.51
007	CIG272-i89/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.26	52	CL	0.36	0.62	0.33	0.56	0.30	0.50
008	CIG272-i89/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.25	50	CL	0.36	0.62	0.32	0.55	0.29	0.49
009	CIG180/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.068(2)	SS-D	N,G	0.31	61	CL	0.56	0.70	0.51	0.63	0.46	0.57
010	CIG180/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.068(2)	SS-D	N,G	0.30	60	CL	0.55	0.69	0.50	0.62	0.45	0.56
011	CIG180-i89/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.26	51	CL	0.54	0.69	0.49	0.62	0.44	0.55
012	CIG180-i89/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.26	50	CL	0.53	0.68	0.48	0.61	0.43	0.54
013	CIG340/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.028(2)	SS-D	N,G	0.30	62	CL	0.16	0.35	0.15	0.31	0.14	0.28
014	CIG340/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.028(2)	SS-D	N,G	0.29	61	CL	0.17	0.34	0.15	0.31	0.14	0.27
015	CIG340-i89/Arg 5mm SS-D (1" IG)	0.197, 0.197	0.632	ARG	0.028(2) 0.149(4)	SS-D	N,G	0.25	52	CL	0.16	0.34	0.15	0.30	0.13	0.27
016	CIG340-i89/Arg 6mm SS-D (1" IG)	0.236, 0.236	0.522	ARG	0.028(2) 0.149(4)	SS-D	N,G	0.25	51	CL	0.16	0.33	0.15	0.30	0.14	0.27
017	Clear/Air 5mm A1-D (1" IG)	0.197, 0.197	0.621	AIR		A1-D	N,G	0.52	42	CL	0.66	0.72	0.59	0.65	0.54	0.58
018	Clear/Air 6mm A1-D (1" IG)	0.236, 0.236	0.542	AIR		A1-D	N,G	0.51	42	CL	0.64	0.71	0.58	0.64	0.52	0.57
019	SN68/Air 5mm A1-D (1" IG)	0.197, 0.197	0.621	AIR	0.039(2)	A1-D	N,G	0.37	51	CL	0.34	0.61	0.31	0.55	0.28	0.49
	sBZ-SN68/Air 5mm A1-D (1" IG)	0.197, 0.197	0.621	AIR	0.039(3)	A1-D	N,G	0.37	51	BZ	0.31	0.40	0.28	0.36	0.25	0.32
020	SN68/Air 6mm A1-D (1" IG)	0.236, 0.236	0.542	AIR	0.039(2)	A1-D	N,G	0.36	50	CL	0.34	0.61	0.31	0.55	0.28	0.49
	sBZ-SN68/Air 6mm A1-D (1" IG)	0.236, 0.236	0.542	AIR	0.039(3)	A1-D	N,G	0.36	50	BZ	0.29	0.36	0.26	0.33	0.24	0.29
021	SN68/Arg 5mm A1-D (1" IG)	0.197, 0.197	0.621	ARG	0.039(2)	A1-D	N,G	0.33	53	CL	0.34	0.61	0.31	0.55	0.28	0.49
022	SN68/Arg 6mm A1-D (1" IG)	0.236, 0.236	0.542	ARG	0.039(2)	A1-D	N,G	0.33	53	CL	0.34	0.61	0.31	0.55	0.28	0.49

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 # FLE24006-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: NEW

Simulation Orig Report Date: 4/2/2024

Series/Model: 450-T IG Fixed

Model Size: 1200mm x 1500mm

Simulation Revision Date: 4/2/2024

Operator Type: Fixed (Picture Windows)

Frame Abs.: 0.3

Report Type: New

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Not Applicable (NA)

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/Air 5mm A1-D (1" IG)	0.197, 0.197	0.621	AIR	0.020(2)	A1-D	N,G	0.37	51	CL	0.24	0.56	0.22	0.50	0.20	0.45
024	SNX62/Air 6mm A1-D (1" IG)	0.236, 0.236	0.542	AIR	0.020(2)	A1-D	N,G	0.36	51	CL	0.24	0.55	0.22	0.50	0.20	0.44
025	SNX62/Arg 5mm A1-D (1" IG)	0.197, 0.197	0.621	ARG	0.020(2)	A1-D	N,G	0.33	54	CL	0.24	0.56	0.22	0.50	0.20	0.45
026	SNX62/Arg 6mm A1-D (1" IG)	0.236, 0.236	0.542	ARG	0.020(2)	A1-D	N,G	0.32	53	CL	0.24	0.55	0.22	0.50	0.20	0.44
027	SN68/Arg 5mm ZF-S (1" IG)	0.197, 0.197	0.625	ARG	0.039(2)	ZF-S	N,G	0.29	63	CL	0.34	0.61	0.31	0.55	0.28	0.49
028	SN68/Arg 6mm ZF-S (1" IG)	0.236, 0.236	0.538	ARG	0.039(2)	ZF-S	N,G	0.29	62	CL	0.34	0.61	0.31	0.55	0.28	0.49
029	SN68-IS20/Arg 5mm ZF-S (1" IG)	0.197, 0.197	0.625	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.25	54	CL	0.33	0.60	0.30	0.54	0.27	0.48
030	SN68-IS20/Arg 6mm ZF-S (1" IG)	0.236, 0.236	0.538	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.25	53	CL	0.33	0.59	0.30	0.53	0.27	0.48
031	SNX62/Arg 5mm ZF-S (1" IG)	0.197, 0.197	0.625	ARG	0.020(2)	ZF-S	N,G	0.29	64	CL	0.24	0.56	0.22	0.50	0.20	0.45
032	SNX62/Arg 6mm ZF-S (1" IG)	0.236, 0.236	0.538	ARG	0.020(2)	ZF-S	N,G	0.28	63	CL	0.24	0.55	0.22	0.50	0.20	0.44
033	SNX62-IS20/Arg 5mm ZF-S (1" IG)	0.197, 0.197	0.625	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.25	54	CL	0.23	0.54	0.21	0.49	0.19	0.44
034	SNX62-IS20/Arg 6mm ZF-S (1" IG)	0.236, 0.236	0.538	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.25	53	CL	0.23	0.54	0.21	0.49	0.19	0.43
035	SN68/Arg 5mm TS-D (1" IG)	0.197, 0.197	0.596	ARG	0.039(2)	TS-D	N,G	0.30	60	CL	0.34	0.61	0.31	0.55	0.28	0.49
036	SN68/Arg 6mm TS-D (1" IG)	0.236, 0.236	0.534	ARG	0.039(2)	TS-D	N,G	0.30	59	CL	0.34	0.61	0.31	0.55	0.28	0.49
037	SN68-IS20/Arg 5mm TS-D (1" IG)	0.197, 0.197	0.596	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.26	51	CL	0.33	0.60	0.30	0.54	0.27	0.48
038	SN68-IS20/Arg 6mm TS-D (1" IG)	0.236, 0.236	0.534	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.26	50	CL	0.33	0.59	0.30	0.53	0.27	0.48
039	SNX62/Arg 5mm TS-D (1" IG)	0.197, 0.197	0.596	ARG	0.020(2)	TS-D	N,G	0.30	60	CL	0.24	0.56	0.22	0.50	0.20	0.45
040	SNX62/Arg 6mm TS-D (1" IG)	0.236, 0.236	0.534	ARG	0.020(2)	TS-D	N,G	0.29	60	CL	0.24	0.55	0.22	0.50	0.20	0.44
041	SNX62-IS20/Arg 5mm TS-D (1" IG)	0.197, 0.197	0.596	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.26	51	CL	0.23	0.54	0.21	0.49	0.19	0.44
042	SNX62-IS20/Arg 6mm TS-D (1" IG)	0.236, 0.236	0.534	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.26	51	CL	0.23	0.54	0.21	0.49	0.19	0.43
043	CIG366/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.020(2)	SS-D	N,G	0.30	60	CL	0.25	0.58	0.23	0.52	0.21	0.46
044	CIG366/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.020(2)	SS-D	N,G	0.30	60	CL	0.25	0.57	0.23	0.51	0.21	0.46
045	CIG366-i89/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.25	50	CL	0.24	0.56	0.22	0.50	0.20	0.45
046	CIG366-i89/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.020(2) 0.149(4)	SS-D	N,G	0.25	52	CL	0.24	0.55	0.22	0.50	0.20	0.45

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 # FLE24006-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: NEW

Simulation Orig Report Date: 4/2/2024

Series/Model: 450-T IG Fixed

Model Size: 1200mm x 1500mm

Simulation Revision Date: 4/2/2024

Operator Type: Fixed (Picture Windows)

Frame Abs.: 0.3

Report Type: New

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Not Applicable (NA)

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	CIG272/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.042(2)	SS-D	N,G	0.31	60	CL	0.37	0.64	0.34	0.57	0.30	0.51
048	CIG272/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.042(2)	SS-D	N,G	0.30	60	CL	0.36	0.63	0.33	0.57	0.30	0.51
049	CIG272-i89/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.26	50	CL	0.36	0.62	0.33	0.56	0.30	0.50
050	CIG272-i89/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.042(2) 0.149(4)	SS-D	N,G	0.26	52	CL	0.35	0.62	0.32	0.55	0.29	0.49
051	CIG180/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.068(2)	SS-D	N,G	0.32	59	CL	0.56	0.70	0.51	0.63	0.46	0.57
052	CIG180/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.068(2)	SS-D	N,G	0.31	59	CL	0.55	0.69	0.50	0.62	0.45	0.56
053	CIG180-i89/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.26	49	CL	0.55	0.69	0.49	0.62	0.45	0.55
054	CIG180-i89/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.068(2) 0.149(4)	SS-D	N,G	0.26	51	CL	0.53	0.68	0.48	0.61	0.43	0.54
055	CIG340/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.028(2)	SS-D	N,G	0.30	60	CL	0.17	0.35	0.15	0.31	0.14	0.28
056	CIG340/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.028(2)	SS-D	N,G	0.30	60	CL	0.17	0.34	0.15	0.31	0.14	0.27
057	CIG340-i89/Arg 5mm SS-D (1.25" IG)	0.197, 0.197	0.837	ARG	0.028(2) 0.149(4)	SS-D	N,G	0.25	50	CL	0.16	0.34	0.15	0.30	0.13	0.27
058	CIG340-i89/Arg 6mm SS-D (1.25" IG)	0.236, 0.236	0.778	ARG	0.028(2) 0.149(4)	SS-D	N,G	0.25	52	CL	0.16	0.33	0.15	0.30	0.13	0.27
059	Clear/Air 5mm A1-D (1.25" IG)	0.197, 0.197	0.851	AIR		A1-D	N,G	0.52	42	CL	0.66	0.72	0.60	0.65	0.54	0.58
060	Clear/Air 6mm A1-D (1.25" IG)	0.236, 0.236	0.788	AIR		A1-D	N,G	0.52	42	CL	0.64	0.71	0.58	0.64	0.52	0.57
061	SN68/Air 5mm A1-D (1.25" IG)	0.197, 0.197	0.851	AIR	0.039(2)	A1-D	N,G	0.38	49	CL	0.34	0.61	0.31	0.55	0.28	0.49
	sBZ-SN68/Air 5mm A1-D (1.25" IG)	0.197, 0.197	0.851	AIR	0.039(3)	A1-D	N,G	0.38	49	BZ	0.31	0.40	0.28	0.36	0.25	0.32
062	SN68/Air 6mm A1-D (1.25" IG)	0.236, 0.236	0.788	AIR	0.039(2)	A1-D	N,G	0.38	51	CL	0.34	0.61	0.31	0.55	0.28	0.49
	sBZ-SN68/Air 6mm A1-D (1.25" IG)	0.236, 0.236	0.788	AIR	0.039(3)	A1-D	N,G	0.38	51	BZ	0.29	0.36	0.26	0.33	0.24	0.29
063	SN68/Arg 5mm A1-D (1.25" IG)	0.197, 0.197	0.851	ARG	0.039(2)	A1-D	N,G	0.34	51	CL	0.34	0.61	0.31	0.55	0.28	0.49
064	SN68/Arg 6mm A1-D (1.25" IG)	0.236, 0.236	0.788	ARG	0.039(2)	A1-D	N,G	0.34	51	CL	0.34	0.61	0.31	0.55	0.28	0.49
065	SNX62/Air 5mm A1-D (1.25" IG)	0.197, 0.197	0.851	AIR	0.020(2)	A1-D	N,G	0.38	50	CL	0.24	0.56	0.22	0.50	0.20	0.45
066	SNX62/Air 6mm A1-D (1.25" IG)	0.236, 0.236	0.788	AIR	0.020(2)	A1-D	N,G	0.37	51	CL	0.24	0.55	0.22	0.50	0.20	0.44
067	SNX62/Arg 5mm A1-D (1.25" IG)	0.197, 0.197	0.851	ARG	0.020(2)	A1-D	N,G	0.33	51	CL	0.24	0.56	0.22	0.50	0.20	0.45
068	SNX62/Arg 6mm A1-D (1.25" IG)	0.236, 0.236	0.788	ARG	0.020(2)	A1-D	N,G	0.33	51	CL	0.24	0.55	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)

NFRC Product Line Summary (2020 Std)

Simulation Report # FLE24006-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: NEW

Simulation Orig Report Date: 4/2/2024

Series/Model: 450-T IG Fixed

Model Size: 1200mm x 1500mm

Simulation Revision Date: 4/2/2024

Operator Type: Fixed (Picture Windows)

Frame Abs.: 0.3

Report Type: New

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Not Applicable (NA)

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
069	SN68/Arg 5mm ZF-S (1.25" IG)	0.197, 0.197	0.875	ARG	0.039(2)	ZF-S	N,G	0.30	61	CL	0.34	0.61	0.31	0.55	0.28	0.49
070	SN68/Arg 6mm ZF-S (1.25" IG)	0.236, 0.236	0.750	ARG	0.039(2)	ZF-S	N,G	0.30	63	CL	0.34	0.61	0.31	0.55	0.28	0.49
071	SN68-IS20/Arg 5mm ZF-S (1.25" IG)	0.197, 0.197	0.875	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.26	52	CL	0.33	0.60	0.30	0.54	0.27	0.48
072	SN68-IS20/Arg 6mm ZF-S (1.25" IG)	0.236, 0.236	0.750	ARG	0.039(2) 0.198(4)	ZF-S	N,G	0.25	53	CL	0.33	0.59	0.30	0.53	0.27	0.48
073	SNX62/Arg 5mm ZF-S (1.25" IG)	0.197, 0.197	0.875	ARG	0.020(2)	ZF-S	N,G	0.29	62	CL	0.24	0.56	0.22	0.50	0.20	0.45
074	SNX62/Arg 6mm ZF-S (1.25" IG)	0.236, 0.236	0.750	ARG	0.020(2)	ZF-S	N,G	0.29	64	CL	0.24	0.55	0.22	0.50	0.20	0.44
075	SNX62-IS20/Arg 5mm ZF-S (1.25" IG)	0.197, 0.197	0.875	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.25	53	CL	0.23	0.54	0.21	0.49	0.19	0.44
076	SNX62-IS20/Arg 6mm ZF-S (1.25" IG)	0.236, 0.236	0.750	ARG	0.020(2) 0.198(4)	ZF-S	N,G	0.25	54	CL	0.23	0.54	0.21	0.49	0.19	0.43
077	SN68/Arg 5mm TS-D (1.25" IG)	0.197, 0.197	0.817	ARG	0.039(2)	TS-D	N,G	0.31	59	CL	0.34	0.61	0.31	0.55	0.28	0.49
078	SN68/Arg 6mm TS-D (1.25" IG)	0.236, 0.236	0.784	ARG	0.039(2)	TS-D	N,G	0.31	59	CL	0.34	0.61	0.31	0.55	0.28	0.49
079	SN68-IS20/Arg 5mm TS-D (1.25" IG)	0.197, 0.197	0.817	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.26	49	CL	0.33	0.60	0.30	0.54	0.27	0.48
080	SN68-IS20/Arg 6mm TS-D (1.25" IG)	0.236, 0.236	0.784	ARG	0.039(2) 0.198(4)	TS-D	N,G	0.26	52	CL	0.33	0.59	0.30	0.53	0.27	0.48
081	SNX62/Arg 5mm TS-D (1.25" IG)	0.197, 0.197	0.817	ARG	0.020(2)	TS-D	N,G	0.30	59	CL	0.24	0.56	0.22	0.50	0.20	0.45
082	SNX62/Arg 6mm TS-D (1.25" IG)	0.236, 0.236	0.784	ARG	0.020(2)	TS-D	N,G	0.30	59	CL	0.24	0.55	0.22	0.50	0.20	0.44
083	SNX62-IS20/Arg 5mm TS-D (1.25" IG)	0.197, 0.197	0.817	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.26	50	CL	0.23	0.54	0.21	0.49	0.19	0.44
084	SNX62-IS20/Arg 6mm TS-D (1.25" IG)	0.236, 0.236	0.784	ARG	0.020(2) 0.198(4)	TS-D	N,G	0.26	50	CL	0.23	0.54	0.21	0.49	0.19	0.43
085	CIG180-Clr-CIG180/Arg 5mm SS-D (1.75" IG)	0.197, 0.197, 0.197	0.580, 0.580	ARG	0.068(2) 0.068(5)	SS-D	N,G	0.18	62	CL	0.49	0.61	0.44	0.55	0.40	0.49
086	CIG180-Clr-CIG180/Arg 6mm SS-D (1.75" IG)	0.236, 0.236, 0.236	0.522, 0.522	ARG	0.068(2) 0.068(5)	SS-D	N,G	0.18	63	CL	0.47	0.60	0.42	0.54	0.38	0.48
087	CIG180-CIG180-CIGi89/Arg 5mm SS-D (1.75" IG)	0.197, 0.197, 0.197	0.580, 0.580	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	N,G	0.17	61	CL	0.46	0.60	0.42	0.54	0.38	0.48
088	CIG180-CIG180-CIGi89/Arg 6mm SS-D (1.75" IG)	0.236, 0.236, 0.236	0.522, 0.522	ARG	0.068(2) 0.068(4) 0.149(6)	SS-D	N,G	0.17	62	CL	0.44	0.59	0.40	0.53	0.36	0.47
089	CIG272-Clr-CIG180/Arg 5mm SS-D (1.75" IG)	0.197, 0.197, 0.197	0.580, 0.580	ARG	0.042(2) 0.068(5)	SS-D	N,G	0.18	62	CL	0.33	0.56	0.30	0.50	0.27	0.45
090	CIG272-Clr-CIG180/Arg 6mm SS-D (1.75" IG)	0.236, 0.236, 0.236	0.522, 0.522	ARG	0.042(2) 0.068(5)	SS-D	N,G	0.18	63	CL	0.32	0.54	0.29	0.49	0.27	0.44
091	CIG272-CIG180-CIGi89/Arg 5mm SS-D (1.75" IG)	0.197, 0.197, 0.197	0.580, 0.580	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	N,G	0.16	61	CL	0.32	0.54	0.29	0.49	0.26	0.44
092	CIG272-CIG180-CIGi89/Arg 6mm SS-D (1.75" IG)	0.236, 0.236, 0.236	0.522, 0.522	ARG	0.042(2) 0.068(4) 0.149(6)	SS-D	N,G	0.16	62	CL	0.31	0.53	0.28	0.48	0.25	0.43

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 # FLE24006-SS

Manufacturer: Fleetwood Windows & Doors

Product Line ID: NEW

Simulation Orig Report Date: 4/2/2024

Series/Model: 450-T IG Fixed

Model Size: 1200mm x 1500mm

Simulation Revision Date: 4/2/2024

Operator Type: Fixed (Picture Windows)

Frame Abs.: 0.3

Report Type: New

Frame Type: Aluminum w/Thermal Breaks (AT)

Simulation Lab Code: SWWW

Sash Type: Not Applicable (NA)

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
093	SN68-Clr-SN68/Air 5mm A1-D (1.75" IG)	0.197, 0.197, 0.197	0.571, 0.571	AIR	0.039(2) 0.039(5)	A1-D	N,G	0.23	50	CL	0.29	0.47	0.27	0.43	0.24	0.38
094	SN68-Clr-SN68/Air 6mm A1-D (1.75" IG)	0.236, 0.236, 0.236	0.509, 0.509	AIR	0.039(2) 0.039(5)	A1-D	N,G	0.23	51	CL	0.29	0.46	0.26	0.42	0.24	0.37
095	SN68-Clr-SN68/Arg 5mm A1-D (1.75" IG)	0.197, 0.197, 0.197	0.571, 0.571	ARG	0.039(2) 0.039(5)	A1-D	N,G	0.21	50	CL	0.29	0.47	0.27	0.43	0.24	0.38
096	SN68-Clr-SN68/Arg 6mm A1-D (1.75" IG)	0.236, 0.236, 0.236	0.509, 0.509	ARG	0.039(2) 0.039(5)	A1-D	N,G	0.21	51	CL	0.29	0.46	0.26	0.42	0.24	0.37
097	SNX62-Clr-SNX62/Air 5mm A1-D (1.75" IG)	0.197, 0.197, 0.197	0.571, 0.571	AIR	0.020(2) 0.020(5)	A1-D	N,G	0.23	50	CL	0.21	0.39	0.19	0.35	0.17	0.31
098	SNX62-Clr-SNX62/Air 6mm A1-D (1.75" IG)	0.236, 0.236, 0.236	0.509, 0.509	AIR	0.020(2) 0.020(5)	A1-D	N,G	0.23	51	CL	0.21	0.38	0.19	0.35	0.17	0.31
099	SNX62-Clr-SNX62/Arg 5mm A1-D (1.75" IG)	0.197, 0.197, 0.197	0.571, 0.571	ARG	0.020(2) 0.020(5)	A1-D	N,G	0.20	50	CL	0.21	0.39	0.19	0.35	0.17	0.31
100	SNX62-Clr-SNX62/Arg 6mm A1-D (1.75" IG)	0.236, 0.236, 0.236	0.509, 0.509	ARG	0.020(2) 0.020(5)	A1-D	N,G	0.20	51	CL	0.21	0.38	0.19	0.35	0.17	0.31
101	SN68-Clr-SN68/Arg 5mm ZF-S (1.75" IG)	0.197, 0.197, 0.197	0.562, 0.562	ARG	0.039(2) 0.039(5)	ZF-S	N,G	0.17	65	CL	0.29	0.47	0.27	0.43	0.24	0.38
102	SN68-Clr-SN68/Arg 6mm ZF-S (1.75" IG)	0.236, 0.236, 0.236	0.500, 0.500	ARG	0.039(2) 0.039(5)	ZF-S	N,G	0.17	65	CL	0.29	0.46	0.26	0.42	0.24	0.37
103	SN68-SN68-IS20/Arg 5mm ZF-S (1.75" IG)	0.197, 0.197, 0.197	0.562, 0.562	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	N,G	0.16	65	CL	0.26	0.46	0.24	0.41	0.22	0.37
104	SN68-SN68-IS20/Arg 6mm ZF-S (1.75" IG)	0.236, 0.236, 0.236	0.500, 0.500	ARG	0.039(2) 0.039(4) 0.198(6)	ZF-S	N,G	0.16	64	CL	0.26	0.45	0.24	0.41	0.21	0.36
105	SNX62-Clr-SNX62/Arg 5mm ZF-S (1.75" IG)	0.197, 0.197, 0.197	0.562, 0.562	ARG	0.020(2) 0.020(5)	ZF-S	N,G	0.17	65	CL	0.21	0.39	0.19	0.35	0.17	0.31
106	SNX62-Clr-SNX62/Arg 6mm ZF-S (1.75" IG)	0.236, 0.236, 0.236	0.500, 0.500	ARG	0.020(2) 0.020(5)	ZF-S	N,G	0.17	65	CL	0.21	0.38	0.19	0.35	0.17	0.31
107	SNX62-SNX62-IS20/Arg 5mm ZF-S (1.75" IG)	0.197, 0.197, 0.197	0.562, 0.562	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	N,G	0.15	65	CL	0.18	0.38	0.16	0.34	0.15	0.30
108	SNX62-SNX62-IS20/Arg 6mm ZF-S (1.75" IG)	0.236, 0.236, 0.236	0.500, 0.500	ARG	0.020(2) 0.020(4) 0.198(6)	ZF-S	N,G	0.16	64	CL	0.18	0.37	0.16	0.34	0.15	0.30
109	SN68-SN68-IS20/Arg 5mm TS-D (1.75" IG)	0.197, 0.197, 0.197	0.577, 0.577	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	N,G	0.17	60	CL	0.26	0.46	0.24	0.41	0.22	0.37
110	SN68-SN68-IS20/Arg 6mm TS-D (1.75" IG)	0.236, 0.236, 0.236	0.514, 0.514	ARG	0.039(2) 0.039(4) 0.198(6)	TS-D	N,G	0.17	60	CL	0.26	0.45	0.24	0.41	0.21	0.36
111	SNX62-SNX62-IS20/Arg 5mm TS-D (1.75" IG)	0.197, 0.197, 0.197	0.577, 0.577	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	N,G	0.16	60	CL	0.18	0.38	0.16	0.34	0.15	0.30
112	SNX62-SNX62-IS20/Arg 6mm TS-D (1.75" IG)	0.236, 0.236, 0.236	0.514, 0.514	ARG	0.020(2) 0.020(4) 0.198(6)	TS-D	N,G	0.16	60	CL	0.18	0.37	0.16	0.34	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)



An NFRC Accredited
Simulation Laboratory

ANSI/NFRC 100/200-2020 /NFRC 500-2017 Simulation Report

Manufacturer: Fleetwood Windows & Doors

Contact: Joe Zammit

NEW PRODUCT LINE

Address: 1 Fleetwood Way
Corona, CA 92879

Phone: 951-279-1070

Model/Series: 450-T IG Fixed

Operator Type: Fixed (Picture Windows)

Frame Type: Aluminum w/Thermal Breaks (AT)

Sash Type: Not Applicable (NA)

WESTLab Report No.:

FLE24006-SS

WESTLab Report Date:

4/2/2024

Revision/Addendum Date:

4/2/2024

NFRC Product Line ID:

NEW

Report Type:

New

Baseline Product for U-Factor Validation Testing:

Description: **No Validation Unit required:** This product validates with FLE-M-113 450-T Fixed. See WESTLab report FLE24003-SS for validation product details.

Simulated U-factor:

Test Size (mm): x

Physical Test Tolerance: to

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.