



Air, Water, and Structural Performance

Our windows are tested and certified to AAMA/WDMA/CSA 101/I.S.2/A440 Industry Standard . Product certification rating can be viewed by going to NAMI web site, and entering the appropriate information under structural performance certification search.

Performance Category	Single Hung	Single Hung W/Performance Upgrade	Double Hung	Double Hung W/Performance Upgrade	Two-Section Lift-out (XX) Slider	Three-Section Lift-out (XOX) Slider (3/3/3 & Q/H/Q)	Two-Section Tilt-in (OX) Slider	Two-Section Tilt-in (XX) Slider	Three-Section Tilt-in (XOX) Slider (QH/Q/333)	Standard Picture	Casement	Casement Picture	Awning	Hopper	Sliding Door (OX)	Sliding Door (OXO)
CAR Number	NI014837.02	NI014837	NI014731-R1	NI014731.04-R1	NI014734.03-R1	NI014734.05-R1 &.10-R1	Pending	Pending	Pending	NI014543	NI014698.03	NI014542.02	NI014618.04	n/a	Pending	Pending
FPA Listing #	FL-26906.8	FL-26906.8	FL-26910.7	FL-26910.7	FL-26910.13	FL-26910.17&21	n/a	n/a	n/a	FL-26908.8	FL-26907.8	FL-26908.12	FL-29649.3	n/a	Pending	Pending
DWG/TDI Submittal/WIN #	5076/9029	5076/9029	Pending	Pending	5021/8764	5051/5052/8764	n/a	n/a	n/a	Pending	5029/8813	Pending	5025/8809	n/a	Pending	Pending
Unit Size Tested (inches)	40" x 63"	40" x 63"	40" x 63"	40" x 63"	63" x 40"	81" x 45"	65" x 45"	65" x 45"	99" x 45"	59" x 63"	32" x 60"	59" x 63"	48" x 32"		70.875" x 79.5"	107.438" x 79.5"
Performance Grade (PG)	PG 25	PG 45	PG 20	PG 40	PG40	PG40	PG20	PG20	PG15 - PG20	PG 75	PG 50	PG 50	PG55		PG30	PG30
Air Infiltration (cfm/sq.ft.)	0.07	0.07	0.06	0.06	0.01	0.05	0.20	0.16	0.21 / .21	0.00	0.04	0.01	0.05		0.07	0.13
Water Resistance (psf)	3.75	6.75	3.00	6.00	6.00	6.00	3.00	3.00	3.00	15.00	11.25	15	9.00		4.5	4.5
Design Pressure (DP) - (psf)	+25/-45	+/-45	+20/-45	+40/-45	+40/-45	+40/-45	+20/-25	+20/-25	+/-15 / +20/-30	+75/-85	+/-50	+50/-60	+/-55		+45/-50	+40/-45
Structural Test Pressure (psf)	+37.5/-67.5	+/-67.5	+30/-67.5	+60/-67.5	+60/-67.5	+60/-67.5	+30/-37.5	+30/-37.5	+/-22.5 / +30/-45	+112.5/-127.5	+/-75	+75/-90	+82.5/-82.5		+67.5/-75	+60/-67.5
Forced Entry Resistance (Grade)	10	10	10	10	10	10	10	10	10	10	10	10	10		10	10
CAR Number	NI014837.03	NI014837.01	NI014731-R1	NI014731-R1	NI014734	NI014734.05-R1 &.08-R1	Pending	Pending	Pending	NI014543.01	NI014698.03	NI014542.04	NI014618	NI014618.08	Pending	Pending
FPA Listing #	FL-26906.8	FL-26906.8	FL-26910.7	FL-26910.7	FL-26910.13	FL-26910.17&21	n/a	n/a	n/a	FL-26908.8	FL-26907.8	FL-26908.12	FL-29649.3	n/a	Pending	Pending
DWG/TDI Submittal/WIN #	5076/9029	5076/9029	Pending	Pending	5021/8764	5051/5052/8764	n/a	n/a	n/a	Pending	5029/8813	Pending	5025/8809	n/a	Pending	Pending
Unit Size Tested (inches)	52.75" x 82.75"	52.75" x 82.75"	52.75" x 82.75"	52.75" x 82.75"	93" x 73"	108" x 65"	72" x 67"	72" x 67"	120" x 67"	72" x 90"	36" x 80"	107" x 65"	60" x 44"	50" x 32"	101" x 96"	144" x 96"
Performance Grade (PG)	PG 25	PG 25	PG 20	PG 20	PG15	PG15	PG15	PG15	PG15	PG 45	PG 40	PG 70	PG30	PG30	PG 20	PG15
Air Infiltration (cfm/sq.ft.)	0.07	0.07	0.06	0.06	0.01	0.05	0.14	0.29	0.21 / 0.14	0.00	0.04	0.01	0.05	0.11	0.07	0.13
Water Resistance (psf)	3.75	3.75	3.00	6.00	6.00	6.00	2.25	2.25	3.00 / 2.25	15.00	11.25	15.00	9.00	4.50	4.5	4.5
Design Pressure (DP) - (psf)	+25/-35	+25/-35	+20/-30	+20/-30	+15/-20	+15/-15	+15/-25	+15/-25	+/-15 / +15/-20	+/-45	+/-40	+70/-75	+/-30	+/-30	+20/-20	+15/-15
Structural Test Pressure (psf)	+37.5/-52.5	+37.5/-52.5	+30/-45	+30/-45	+22.5/-30	+22.5/-22.5	+22.5/-37.5	+22.5/-37.5	+/-22.5 / +22.5/-30	+/-67.5	+/-60	+105/-112.5	+45/-45	+45/-45	+30/-30	+22.5/-22.5
Forced Entry Resistance (Grade)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Alternative Unit Size Tested (inches)	49" X 93"	49" X 93"	40" x 71"	40" x 71"	72" x 56"	96" x 56"					36" x 72"	72" x 90"			94 7/8" x 79.5"	
Performance Grade (PG)	PG 25	PG 25	PG 20	PG 45	PG 30	PG 30					PG 45	PG 65			PG30	
Design Pressure (DP) - (psf)	+25/-35	+25/-35	+20/-50	+45/-50	+30/-35	+30/-30					+/-45	+65/-75			+30/-30	
Structural Test Pressure (psf)	+37.5/-52.5	+37.5/-52.5	+20/-75	+67.5/-75	+45/-52.5	+45/-45					+/-67.5	+97.5/-112.5			+45/-45	
Alternative Unit Size Tested (inches)			48" x 72"								24" x 61"					
Air Infiltration (cfm/sq.ft.)			0.02								0.01					



cfm = cubic feet per minute
sq.ft. = square feet
psf = pounds per square foot

CAR = Certification Authorization Report
FPA = Florida Product Approval Listing #
TDI = Texas Department of Insurance

