

Air, Water, and Structural Performance

Our windows are tested and certified to AAMA/WDMA/CSA 101/1.S.2/A440 Industry Standard. Product certification rating can be viewed by going to NAMI's 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	Two-Section Tilt-in (OX) Slider	Two-Section Tilt-in (XX) Slider	Three-Section Tilt-in (XOX) Slider	Standard Picture	Casement	Casement Picture	Awning	Hopper	Sliding Door (OX)	Sliding Door (OXO)
CAR Number	NI014836.04	NI014836	NI014730.05-R1	NI014730.02-R1	NI014743.02-R1	NI014743.09-R1 & .06-R1	Pending	Pending	Pending	NI014617-R1	NI014697.03	NI014559-R1	NI014618.07		Pending	Pending
FPA Listing #	FL-26906.11	FL-26906.11	FL-26910.10	FL-26910.10	FL-26909.16	FL-26909.24 & 20	n/a	n/a	n/a	FL-26908.11	FL-26907.11	FL-26908.15	FL-29649.6		Pending	Pending
DWG/TDI Submittal/WIN #	5079/9025	5079/9025	Pending	Pending	5024/8761	5057/5058/8761	n/a	n/a	n/a	Pending	5032/8816	Pending	5028/8812		Pending	Pending
Unit Size Tested (inches)	40" x 63"	40" x 63"	40" x 63"	40" x 63"	63" x 44"	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 50	PG 25	PG 45	PG40	PG40	PG15	PG20	PG20 / PG20	PG 75	PG 50	PG 50	PG55		PG30	PG30
Air Infiltration (cfm/sq.ft.)	0.07	0.07	0.08	0.08	0.01	0.05	0.18	0.19	.20 / .27	0.00	0	0.01	0.05		0.07	0.13
Water Resistance (psf)	3.75	7.5	3.75	6.75	6.00	6.00	3.00	3.00	3.00 / 3.00	15.00	11.25	15	9.00		4.5	4.5
Design Pressure (DP) - (psf)	+25/-45	+/-50	+25/-50	+45/-50	+40/-45	+40/-45	+15/-25	+20/-30	+20/-30 / +20/-30	+75/-85	+/-50	+50/-60	+/-55		+45/-50	+40/-45
Structural Test Pressure (psf)	+37.5/-67.5	+/-75	+37.5/-75	+60/-75	+60/-67.5	+60/-67.5	+22.5/-37.5	+30/-45	+30/-45 / +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	NI014836.03	NI014836.01	NI014730.03-R1	NI014730-R1	NI014743-R1	NI014743.07 & .04-R1	Pending	Pending	Pending	NI014617.01-R1	NI014697	NI014616-R1	NI014618.03	NI014618.11	Pending	Pending
FPA Listing #	FL-26906.11	FL-26906.11	FL-26910.10	FL-26910.10	FL-26909.16	FL-26909.24 & 20	n/a	n/a	n/a	FL-26908.11	FL-26907.11	FL-26908.15	FL-29649.6	n/a	Pending	Pending
DWG/TDI Submittal/WIN #	5079/9025	5079/9025	Pending	Pending	5024/8761	5057/5058/8761	n/a	n/a	n/a	Pending	5032/8816	Pending	5028/8812	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"	72" x 90"	60" x 44"	50" x 32"	101" x 96"	144" x 96"
Performance Grade (PG)	PG 30	PG 30	PG 25	PG 30	PG15	PG15	PG15	PG15	PG15 / PG15	PG 45	PG 40	PG 65	PG30	PG30	PG 20	PG15
Air Infiltration (cfm/sq.ft.)	0.07	0.07	0.08	0.08	0.01	0.05	0.22	0.13	.29 / .29	0.00	0.04	0.00	0.05	0.11	0.07	0.13
Water Resistance (psf)	4.50	4.50	3.75	6.75	6.00	6.00	2.25	2.25	2.25 / 2.25	15.00	11.25	15.00	9.00	4.50	4.5	4.5
Design Pressure (DP) - (psf)	+30/-35	+30/-35	+25/-35	+30/-35	+15/-20	+15/-15	+15/-20	+15/-25	+15/-20 / +15/-20	+/-45	+/-40	+65/-75	+/-30	+/-30	+20/-20	+15/-15
Structural Test Pressure (psf)	+45/-52.5	+45/-52.5	+37.5/-52.5	+45/-52.5	+30/-40	+30/-30	+30/-40	+30/-37.5	+30/-40 / +30/-40	+/-67.5	+/-60	+97.5/-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"	48" x 78"	48" x 78"	72"x 56"	96" x 56"					36" x 72"				94 7/8" x 79.5"	
Performance Grade (PG)	PG 25	PG 25	PG 25	PG 30	PG 30	PG 30					PG 45				PG30	
Design Pressure (DP) - (psf)	+25/-35	+25/-35	+25/-40	+30/-40	+30/-35	+30/-33					+/-45				+30/-30	
Structural Test Pressure (psf)	+37.5/-52.5	+37.5/-52.5	+37.5/-60	+45/-60	+45/-52.5	+45/-45					+/-67.5				+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

