



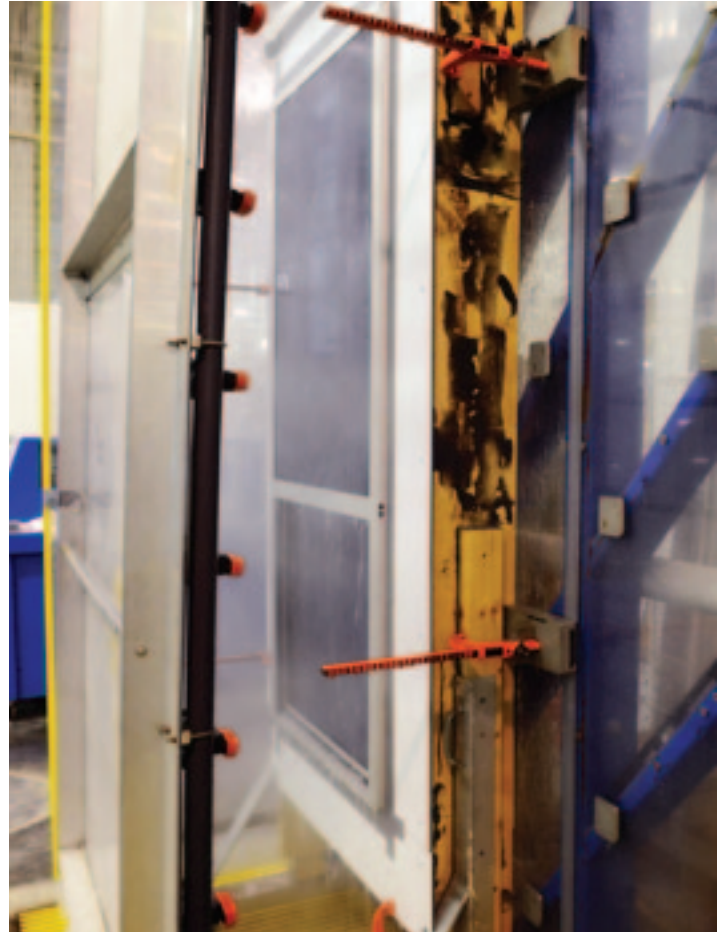
RHINO

 | TESTING DATA

DECADES OF PROVEN PERFORMANCE

Our primary focus has been to manufacture energy saving window and door products. Throughout our history, we have established ourselves as an innovator in the design and manufacturing capability of insulated windows and doors.

We go to great lengths to make sure our Rhino Series Aluminum window and door products are the best they can be. Our products are tested by independent laboratories to ensure quality and performance. Our windows and doors are rated and certified by The American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC).



800.475.5061 | gerkin.com

5045 HORIZONTAL SLIDER | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoÉ3/Argon	.37
Solar Heat Gain Coefficient ²	.24
Visible Transmittance ³	.54
Condensation Resistance	45
U-Value Air Only*	.42

AAMA TEST RESULTS	
Test Window 120" x 64"	
Class	LC-PG45-HS
Air Infiltration	.04 cfm/sq.ft.
Water	6.90 psf
Structural Wind Load ¹	67.5 psf
Indoor/Outdoor Sound Transmission Class	28 w/ 1/4 LAM X 1/8 A
Sound Transmission Class	31 w/ 1/4 LAM X 1/8 A
AAMA Rating	A440-08

AAMA TEST RESULTS	
Test Window 108" x 60" (X0X)	
Class	LC-PG50
Air Infiltration	.06 cfm/sq.ft.
Water	7.50 psf
Structural Wind Load	75.0 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	31
AAMA Rating	A440-08

*U-Values for our windows with 1/8" 366 LoÉ3 glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08

U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

Thermal Values are 5/8" IGU w/ 1/8" 366/Argon/ 1/8" Clear - No Muntins

5900 SINGLE HUNG | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoÉ3/Argon	.38
Solar Heat Gain Coefficient	.24
Visible Transmittance	.53
Condensation Resistance	48
U-Value Air Only*	.43

AAMA TEST RESULTS	
Test Window 54" x 90"	
Class	LC-PG50-H
Air Infiltration	.03 cfm/sq.ft.
Water	7.50 psf
Structural Wind Load	75.0 psf
U-Value w/LoÉ3/Argon	.38
Solar Heat Gain Coefficient	.24
Visible Transmittance	.53
Condensation Resistance	48
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	31
U-Value Air Only*	.44

*U-Values for our windows with 1/8" 366 LoÉ3 glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08

U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

5100 AWNING | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoÉ³/Argon	.49
Solar Heat Gain Coefficient	.20
Visible Transmittance	.42
Condensation Resistance	37
U-Value Air Only*	.52

AAMA TEST RESULTS	
Test Window 49" x 72" Vert. 2-Life	
Class	CW-PG60-AP
Air Infiltration	.01 cfm/sq.ft.
Water	9.00 psf
Structural Wind Load	90.0 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36

AAMA TEST RESULTS	
Test Window 61" x 68" Vert. 2-Life	
Class	CW-PG55-AP
Air Infiltration	.01 cfm/sq.ft.
Water	8.25 psf
Structural Wind Load	82.5 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36

*U-Values for our windows with 1/8" 366 LoÉ³ glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08
 *U Values and CRF Values, tested with 1" insulating glass w/LoÉ³
 U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

5200 HOPPER | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoÉ³/Argon	.48
Solar Heat Gain Coefficient	.20
Visible Transmittance	.42
Condensation Resistance	39
U-Value Air Only*	.51

AAMA TEST RESULTS	
Test Window 49" x 72" Vert. 2-Life	
Class	CW-PG60-AP
Air Infiltration	.01 cfm/sq.ft.
Water	9.00 psf
Structural Wind Load	90.0 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36

AAMA TEST RESULTS	
Test Window 61" x 68" Vert. 2-Life	
Class	CW-PG55-AP
Air Infiltration	.01 cfm/sq.ft.
Water	8.25 psf
Structural Wind Load	82.5 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36

*U-Values for our windows with 1/8" 366 LoÉ³ glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08
 *U Values and CRF Values, tested with 1" insulating glass w/LoÉ³
 U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

RHINO

TESTING DATA

5300 CASEMENT | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoE ³ /Argon	.48
Solar Heat Gain Coefficient	.20
Visible Transmittance	.42
Condensation Resistance	39
U-Value Air Only*	.51

AAMA TEST RESULTS	
Test Window 105" x 72"	
Class	CW-PG40-C
Air Infiltration	.01 cfm/sq.ft.
Water	9.00 psf
Structural Wind Load	60.0 psf
U-Value w/LoE ³ /Argon	.49
Solar Heat Gain Coefficient	.20
Visible Transmittance	.42
Condensation Resistance	38
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36
U-Value Air Only*	.51

AAMA TEST RESULTS	
Test Window 93" x 60"	
Class	CW-PG60-C
Air Infiltration	.01 cfm/sq.ft.
Water	9.0 psf
Structural Wind Load	90.0 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36

AAMA TEST RESULTS	
Test Window 69" x 48"	
Class	CW-PG90-C
Air Infiltration	.01 cfm/sq.ft.
Water	12.00 psf
Structural Wind Load	135.0 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	36

*U-Values for our windows with 1/8" 366 LoE³ glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08
 *U Values and CRF Values, tested with 1" insulating glass w/LoE³
 U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

5800 DOUBLE HUNG | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoE ³ /Argon	.45
Solar Heat Gain Coefficient	.20
Visible Transmittance	.46
Condensation Resistance	43
U-Value Air Only*	.48

AAMA TEST RESULTS	
Test Window 60" x 99"	
Class	LC-PG55-H
Air Infiltration	.03 cfm/sq.ft. @ 25 mph
Water	8.25 psf
Structural Wind Load	82.5 psf
Indoor/Outdoor Sound Transmission Class	N/A
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	N/A

AAMA TEST RESULTS	
Test Window 60" x 99"	
Class	LC-PG55-H
Air Infiltration	.03 cfm/sq.ft. @ 25 mph
Water	8.25 psf
Structural Wind Load	82.5 psf
Indoor/Outdoor Sound Transmission Class	N/A
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	N/A

*U-Values for our windows with 1/8" 366 LoE³ glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08

U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

5400 PATIO DOOR | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoÉ3/Argon	.37 ¹ .32 ²
Solar Heat Gain Coefficient	.23
Visible Transmittance	.53
Condensation Resistance	43

AAMA TEST RESULTS	
Test Window 5400	96x96
Class	LC-PG40
Air Infiltration	.06 cfm/sq.ft.
Water	6.0 psf
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

AAMA TEST RESULTS	
Test Window 5400	72x80
Class	LC-PG45
Air Infiltration	.06 cfm/sq.ft.
Water	6.9 psf
U-Value w/LoÉ3/Argon	.37 ¹ .32 ²
Solar Heat Gain Coefficient	.23
Indoor/Outdoor Sound Transmission Class	28
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

*U-Values for our windows with 1/8" 366 LoÉ3 glass, air only, 1/8" clear glass, no muntins or argon in the air space.

¹w/LoÉ 366

²w/LoÉ 366 and i89

Gerkin has tested a 96" x 96" and a 72" x 80" 2-Lite door which meets AAMA rated "Gold Label" certification.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08

5500 FIXED | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoÉ3/Argon	.34
Solar Heat Gain Coefficient	.24
Visible Transmittance	.55
Condensation Resistance	46
U-Value Air Only*	.38

AAMA TEST RESULTS	
Test Window 72" x 72" and 48" X 96"	
Class	CW-PG80-FW
Air Infiltration	<.01 cfm/sq.ft.
Water	12.00 psf
Structural Wind Load	120.0 psf
Indoor/Outdoor Sound Transmission Class	25
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	33
AAMA Rating	

*U-Values for our windows with 1/8" 366 LoÉ3 glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08

*U Values and CRF Values, tested with 1" insulating glass w/LoÉ3

U-Value/SHGC/VT/CRF Tested to NFRC 100/200/500

RHINO

58F FIXED | TEST RESULTS

NFRC TEST RESULTS	
U-Value w/LoE ³ /Argon	.33
Solar Heat Gain Coefficient	.24
Visible Transmittance	.56
Condensation Resistance	59
U-Value Air Only*	.37

AAMA TEST RESULTS	
Test Window 95" x 120" 2-Lite With Stacking Mainframe	
Class	CW-PG35-FW
Air Infiltration	0.01 cfm/sq.ft @ 25 mph 0.02 cfm/sq.ft @ 50 mph
Water	12.0 psf
Structural Wind Load	52.5 psf
Indoor/Outdoor Sound Transmission Class	27
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

AAMA TEST RESULTS	
Test Window 95" x 120" 2-Lite With Stacking Mainframe	
Class	LC-PG50-FW
Air Infiltration	0.01 cfm/sq.ft @ 25 mph 0.02 cfm/sq.ft @ 50 mph
Water	12.0 psf
Structural Wind Load	75.0 psf
Indoor/Outdoor Sound Transmission Class	27
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

AAMA TEST RESULTS	
Test Window 178" x 99" 3-Lite With Stacking True Muntin	
Class	CW-PG45-FW
Air Infiltration	<.01 cfm/sq. ft. @ 25 mph .01 cfm/sq. ft. @ 50 mph
Water	12.0 psf
Structural Wind Load	67.5 psf
Indoor/Outdoor Sound Transmission Class	27
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

58F FIXED | TEST RESULTS

AAMA TEST RESULTS	
Test Window 178" x 99" 3-Lite With Stacking True Muntin	
Class	LC-PG40-FW
Air Infiltration	<.01 cfm/sq. ft. @ 25 mph .01 cfm/sq. ft. @ 50 mph
Water	12.0 psf
Structural Wind Load	60.0 psf
Indoor/Outdoor Sound Transmission Class	27
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

AAMA TEST RESULTS	
Test Window 178" x 99" 3-Lite With Stacking True Muntin	
Class	LC-PG50-FW
Air Infiltration	<.01 cfm/sq. ft. @ 25 mph .01 cfm/sq. ft. @ 50 mph
Water	12.0 psf
Structural Wind Load	75.0 psf
Indoor/Outdoor Sound Transmission Class	27
Sound Transmission Class (w/ 1/4 LAM X 1/8 A)	34

*U-Values for our windows with 1/8" 366 LoE³ glass, air only, 1/8" clear glass, no muntins or argon in the air space.

Tested and Certified to AAMA/WDMA/CSA 101/I.S.2 A440-08 U-Value/SHGC/VT/CRF
Tested to NFRC 100/200/500 (With 1" Insulated Glass Unit With 1/8" 366 And 1/8" Clear)