



Omega NAFS Ratings

All Durabuilt windows provide a different structural performance rating and the North American Fenestration Standard/Specification, or NAFS, is the recognized standard for testing, rating and labelling of windows, doors and skylights for residential and commercial buildings in Canada.

The official name is AAMA/WDMA/CSA 101/I.S.2/A440, "NAFS – North American Fenestration Standard/Specification for Windows, Doors and Skylights" In Canada, an additional supplement is used to address specific Canadian performance conditions.

Window Type	Size	Air	Water		Structural		Performance Grade Description	Performance Grade	Air Leakage
			Pa	PSF	Pa	PSF			
Casement	32" x 60"	A3	720 Pa	15.00 PSF	2640 Pa	55.00 PSF	CW-PG55-C 815 x 1524 mm (32 x 60 in)	PG55	0.24
Casement	36" x 80"	A3	720 Pa	15.00 PSF	2400 Pa	50.00 PSF	CW-PG50-C 914 x 2032 mm (36 x 80 in)	PG50	0.03
Casement	36" x 90"	A3	720 Pa	15.00 PSF	2160 Pa	45.00 PSF	AW-PG45-C 914 x 2286 mm (36 x 90 in)	PG45	0.001
Awning	48" x 32"	A3	720 Pa	15.00 PSF	2640 Pa	55.00 PSF	CW-PG55-AP 1219 x 813 mm (48 x 32 in)	PG55	0.28
Awning	60" x 40"	A3	720 Pa	15.00 PSF	2640 Pa	55.00 PSF	AW-PG55-AP 1524 x 1016 mm (60 x 40 in)	PG55	0.055
Awning	55" x 48"	A3	720 Pa	15.00 PSF	2640 Pa	55.00 PSF	CW-PG55-AP 1397 x 1219 mm (55 x 48 in)	PG55	0.33
Direct Set	72" x 108"	FX	720 Pa	15.00 PSF	1200 Pa	25.00 PSF	LC-PG25-FW 1829 x 2743 mm (72 x 108 in)	PG25	0.03
Direct Set	108" x 72"	FX	720 Pa	15.00 PSF	1200 Pa	25.00 PSF	LC-PG25-FW 2743 x 1829 mm (108 x 72 in)	PG25	0.03
Direct Set	72" x 72"	FX	720 Pa	15.00 PSF	1920 Pa	40.00 PSF	CW-PG40-FW 1829 x 1829 mm (72 x 72 in)	PG40	0.02
Fixed Sash	72" x 72"	FX	720 Pa	15.00 PSF	2400 Pa	50.00 PSF	CW-PG50-FW 1829 x 1829 mm (72 x 72 in)	PG50	0.045
Fixed	72" x 108"	FX	720 Pa	15.00 PSF	3120 Pa	65.00 PSF	AW-PG65-FW 1829 x 2743 mm (72 x 108 in)	PG65	0.02
Fixed	108" x 72"	FX	720 Pa	15.00 PSF	3120 Pa	65.00 PSF	AW-PG65-FW 2743 x 1829 mm (108 x 72 in)	PG65	0.02
Fixed	72" x 72"	FX	720 Pa	15.00 PSF	3840 Pa	80.00 PSF	CW-PG80-FW 1829 x 1829 mm (72 x 72 in)	PG80	0.065
Picture	60" x 60"	FX	720 Pa	15.00 PSF	3120 Pa	65.00 PSF	CW-PG65-FW 1524 x 1524 mm (60 x 60 in)	PG65	0.04
Picture	60" x 108"	FX	720 Pa	15.00 PSF	1920 Pa	40.00 PSF	AW-PG40-FW 1524 x 2743 mm (60 x 108 in)	PG40	0.01
Picture	108" x 60"	FX	720 Pa	15.00 PSF	1920 Pa	40.00 PSF	AW-PG40-FW 2743 x 1524 mm (108 x 60 in)	PG40	0.01
Picture	84" x 84"	FX	720 Pa	15.00 PSF	2640 Pa	55.00 PSF	CW-PG55-FW 2134 x 2134 mm (84 x 84 in)	PG55	0.035

NAFS features a comprehensive method to classify the type, class and performance of windows and doors. Any product that has not been tested to NAFS does not meet the 2010 National Building Code of Canada, or provincial revisions.

Performance Class

There are four performance classes: R (Residential), LC (Light Commercial), CW (Commercial Windows) and AW (Architectural Windows). Building type, load requirements and serviceability determine the Performance Class of the windows and doors and is set by the building architect, and each Performance Class has minimum test sizes and minimum test pressures known as Gateway Requirements. Every product must be tested for each Gateway Requirement in order to qualify for a Performance Class.

Performance Grade

The Performance Grade is a single number that represents performance attributes based on testing single units and composite (combination) units for design pressure, water penetration resistance, air leakage resistance, operating force, durability and life-cycle test. The Performance Grade required for a building is determined by geographic location, building height and the exposure condition determined as either open or rough terrain.

The NAFS Canadian Supplement includes a table that lists all major cities in Canada to help building professionals select the right Performance Grade. An easier method is to use the Fenestration Canada NAFS calculator – go to <http://www.fenestrationcanada.ca/calculator> and click on the fenestration performance calculator.

Determining your Durabuilt window and door Performance Class

As a basic reference guide our Durabuilt NAFS Ratings info sheet that provides single unit window performance information. For more complete information based on your particular window and door configurations contact us to get a quote that contains specific NAFS performance information for every window and door, and an overall NAFS rating, for your project.

Feel free to book a consultation with a Durabuilt sales professional or one of our dealer partners.