



LAVAL

PERFORMANCE

4600 SERIES



THERMOPLAST

NEXTRUSIONS

THERMOPLAST
Nextrusions

Shaping the Future!

THERMOPLAST is the industry leader in windows and doors for engineering, innovation, quality, delivery and technical support, PVC recovery and recycling and Carboncare program. With 2 factories and more than 29 extrusion lines, certified test labs, one complete tooling room and the industry's largest technical support team. **THERMOPLAST** is positioned to help door and window manufacturers grow and succeed.

thermoplast.com





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The most complete window system in the industry

The most innovative and energy efficient products on the market, perfectly adapted to your needs and designed for performance and durability.

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Exterior opening windows / fixed

AESTHETICS, COMFORT AND SECURITY

Specially designed to meet market trends, user needs, with sturdy multi-chamber profiles, ensuring an exceptionally solid, energy-efficient window.

- + Rigid welded PVC frame, with or without brickmoulding, plus gypsum and wooden cage for easier insulation
- + Rigid PVC welded sash providing superior strength and durability
- + Interior panel in the insulated portion of the divider, near natural air convection
- + 90-degree sash opening for a quick and easy cleaning
- + Triple weather-stripping for maximum protection against wind, air and water
- + Sealed double or triple energy-efficient glass unit for greater comfort
- + Wide choice of options for interior and exterior finishing



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IG CONFIGURATION

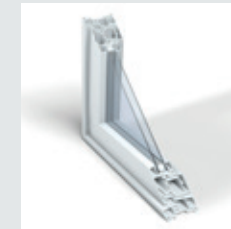


Double glazing
7/8" (22.2mm)

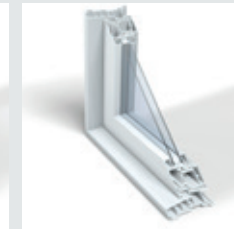


Triple glazing
1 1/4" (32mm)

CHOICE OF FRAMES



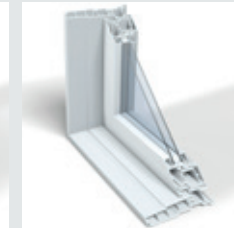
3 1/4"



4 1/2"



5 1/4"



6 9/16"

CHOICE OF PANELS



Colonial



Contemporary



Slider & hung windows

EXCELLENT QUALITY / PRICE RATIO

The single and double sliding and hung windows series are perfect for tight spaces. Narrow Profiles allow maximum light access and provide unencumbered visibility outside.

- + Rigid welded PVC frame, with or without brickmoulding, plus gypsum and wooden cage
- + Interior panel in the insulated portion of the divider, near natural air convection
- + Triple weather-stripping for maximum protection against wind, air and water
- + Panel open 90 for simpler cleaning and greater security
- + Tandem caster panels to facilitate sliding
- + Sealed double or triple energy-efficient glass unit for greater comfort
- + Wide choice of options for interior and exterior finishing
- + Central latch with secure cam
- + Lifting handle built into panel



THERMOPLAST
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IG CONFIGURATION



Double glazing
7/8" (22.2mm)

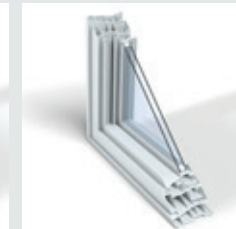


Triple glazing
1 1/4" (32mm)

CHOICE OF FRAMES



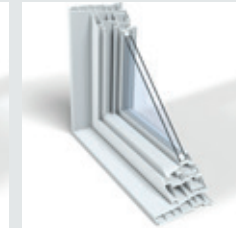
3 1/4"



4 1/2"



5 1/4"



6 9/16"



Aluminum windows

THE HYBRID WINDOW SYSTEM COMBINE THE BEST OF BOTH WORLDS

- + The aesthetics and durability of the aluminum
- + The energy efficiency, ease of assembly and virtually maintenance-free qualities of PVC

THE ALUMINUM WINDOWS OFFERING EXCEPTIONAL PERFORMANCE ARE AVAILABLE IN DIFFERENT MODELS:

Outdoor Aluminum & Indoor PVC	Outdoor & Indoor Aluminum
<ul style="list-style-type: none"> • Casement / awning / fixed • Hung • Sliding 	<ul style="list-style-type: none"> • Casement / awning / fixed • Option: Interior opening

THERMOPLAST's Performance series is NAFS-11/17 certified (commercial windows) AND CAN BE USED IN THE FOLLOWING PROJECTS:

• Residential & multi-level	• Institutional	• Commercial
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- + The aluminum frame profiles are mechanically fastened with steel screws through integrated grooves for maximum strength.
- + The aluminum sash profiles are assembled with adjustable corner keys for a perfect fit and finish.
- + Double or triple energy glass unit for greater comfort
- + Different mullion combination (structural or modular)
- + High range of hardware available
- + Robust aluminum screen
- + The **vinyl profile window thermal insulation system** is fusion welded, contributing to maximum protection against air and water infiltration.



LAVAL PERFORMANCE 4600 SERIES

IG CONFIGURATION

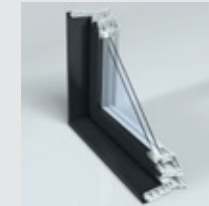


Double glazing
7/8" (22.2mm)

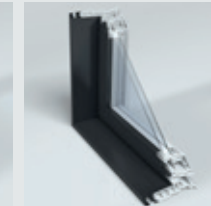


Triple glazing
1 1/4" (32mm)

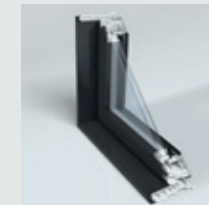
CHOICE OF FRAMES



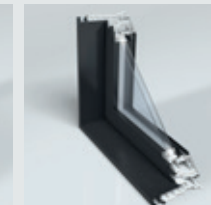
Aluminum-PVC
5 3/4"



Aluminum-PVC
6 9/16"



Aluminum-Aluminum
5 3/4"



Aluminum-Aluminum
6 9/16"

CHOICE OF PANELS



Contemporary

Performances

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STRUCTURAL

Model	Standards	Air tightness	Water resistance [PA]	Wind-Load Resistance [PA]	Force entry	Rating Size
Fixed	NAFS-AAMA/WDMA/CSA 101/I.S.2/A404-11	A1 A2 A3	140 730	720 4800	F10 F20	CW-PG100-FW (72" X 72")
Casement	NAFS-AAMA/WDMA/CSA 101/I.S.2/A404-11	A1 A2 A3	140 730	720 4800	F10 F20	CW-PG100-C (32" X 63")
Awning	NAFS-AAMA/WDMA/CSA 101/I.S.2/A404-11	A1 A2 A3	140 730	720 2400	F10 F20	CW-PG50-AP (62" X 48")
Single hung	NAFS-AAMA/WDMA/CSA 101/I.S.2/A404-11	A1 A2 A3	140 730	720 4080	F10 F20	R-PG85-H (39" x 63")
Single slider	NAFS-AAMA/WDMA/CSA 101/I.S.2/A404-11	A1 A2 A3	140 620	720 2880	F10 F20	R-PG60-HS (63" x 43")
Aluminum interior opening	NAFS-AAMA/WDMA/CSA 101/I.S.2/A404-11	A1 A2 A3	140 730	720 4800	F10 F20	CW-PG100-DAW (48" X 71")

Products once classified as A, B or C, are now listed by performance grade (PG). The higher the grade, the better the performance. The performance grades above apply to windows the same size as, or smaller than, those indicated.

THERMAL



ENERGY STAR CERTIFICATION. Choose windows with excellent insulation and high energy efficiency to save on heating and make your home more comfortable. Energy efficiency is expressed as **U**, **R** and **ER**. The different glazing options of the performance series allow you to optimize the desired performance

U VALUE HEAT LOSS, SELECT A LOW VALUE.	R VALUE INSULATION AND CORRESPONDS TO 1/U SELECT A HIGH VALUE.	ER VALUE ENERGY EFFICIENCY RATIO HEAT LOSS + INSULATION + SOLAR GAIN, SELECT A HIGH VALUE.
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Manufacturer of
AAMA Certified Profiles,
an FGIA Program

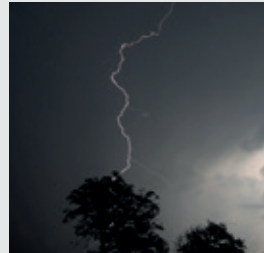
THERMOPLAST window profiles are AAMA Certified.



Extreme Heat



Rain & Humidity



Storms & Wind



Cold, Snow and Ice

THE AAMA-CERTIFIED

The AAMA Certified Profile Program, an FGIA certification, ensures uniform sizing and strength, heat/impact resistance, absence of lead and weather resistance in extreme heat, rain, humidity, storms, winds, cold, snow and ice.

THERMOPLAST Nextrusions is one of Canada's only AAMA-Certified Extruders.

Certifications

The quality of our window systems out through recognition

by all the major standards associations, which attest to the superiority of THERMOPLAST product performance.



Manufacturer of AAMA Certified Profiles, an FGIA Program



National Fenestration Rating Council
CERTIFIED



ENERGY STAR

Our Warranty

Be worry-free by choosing our window systems, which include an exceptional 20-year warranty on our PVC



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NEXTRUSIONS

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