

A HIGHER
STANDARD
IN ALUMINUM
WINDOWS

W I N D O W S E R I E S ⁺
ALTITUDE

Since 1961
GEMM
Windows & Doors
A better outlook on life



HIGH STRUCTURAL PERFORMANCE

This series provides energy cost savings, longevity, durability and great looks.



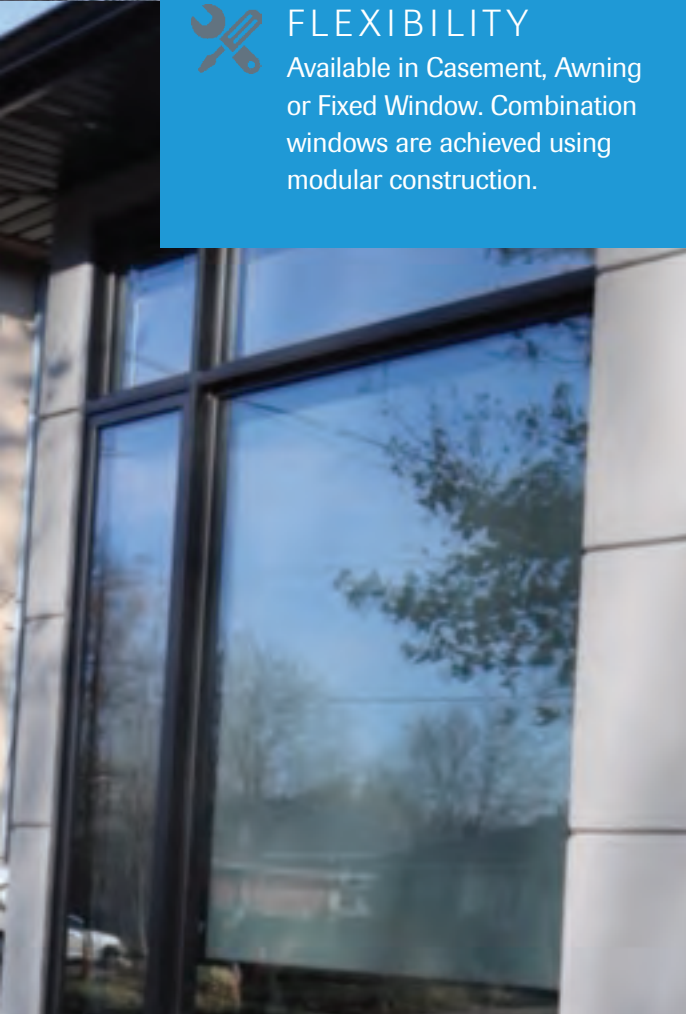
SUSTAINABILITY

PVC is 100% recyclable and very durable.



FLEXIBILITY

Available in Casement, Awning or Fixed Window. Combination windows are achieved using modular construction.



FEATURES

Designed for impressive performance, elegance and durability

The Altitude+ Window Series meets the CW Classification, meaning mid-rise buildings with institutional application. It provides the possibility of multiple assembly and opening configurations (casement, awning, fix).

This high energy efficient window features extruded aluminum profiles interior and exterior connected to the thermal insulation system "Performance Core", representing the core of the window.

ASSEMBLY

The aluminum profiles for the frame are fastened with aluminum corner keys and crimping technology. The aluminum profiles for the operating sashes are assembled with aluminum corners completely adjustable for a perfect exterior finish.

FRAME

The frame depth is 114mm (4 1/2"). The overall sash depth is 82,55mm (3 1/4") with a height of 44mm (1 3/4") and designed for 30mm (1 3/16") glazed units.

SEALING

Continuous flexible weatherstrip and glazing beads, including the corners, on the glazed unit perimeter, ensure optimal insulation. A structural sealant joint is inserted on the window periphery on the interior part of the operating sash.

PERFORMANCE CORE

Performance Core is a new proprietary engineered material, designed for specific tasks, offering improved dimensional stability and higher deflection temperatures, resulting in increased strength.

With this new technology, manufacturers have access to the perfect combination for their market. The Altitude+ Window Series provides window distributors with a competitive edge.



THERMAL PERFORMANCES

Venting Window (Casement)

Double Pane / Warm Edge Spacer

Low-e / Argon

- Uvalue = 0,27 (Btu/h*ft²*oF)
- RE = 30 (Energy Rating)
- ENERGY STAR® 2010 : ZONE C
- 3 points (LEED for Homes)

Fixed Window

Double Pane / Warm Edge Spacer

Low-e / Argon

- Uvalue = 0,26 (Btu/h*ft²*oF)
- RE = 36 (Energy Rating)
- ENERGY STAR® 2010 : ZONE D
- 3 points (LEED for Homes)



STRUCTURAL PERFORMANCES

AAMA/WDMA/CSA 101/I.S.2/A4a40-08 A440S1-09

- Class CW-PG100, 915 X 1829mm (36" x 72")
- Class CW-PG80, 2388 X 1600mm (94" x 63")

The screens can be removed from the inside.

FRAMES

114mm (4 1/2")

IG CONFIGURATION

30mm (1 3/16") Dual Pane





WINDOW SERIES⁺
ALTITUDE⁺

The aluminum extrusions are made of alloy and quench aluminum 6063-T5, in accordance with the NAFS-08/11 standard.

The thermal insulation system is in accordance with the AAMA 303 standard.

The Energi Fenestration Solutions meets the requirements of the AAMA/WDMA/CSA 101/I.S.2/A440-08 standard.



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