

WINDOWS AND DOORS  
**TILT & TURN**

LA MARQUISE BY THERMOPLAST SERIES



**THERMOPLAST**

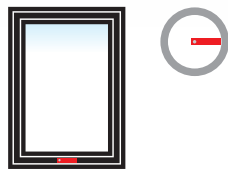
NEXTRUSIONS

## THE THERMOPLAST TILT AND TURN PRODUCT LINE, WITH ITS TOUCH OF EUROPEAN STYLING, WAS DEVELOPED FOR THE NORTH AMERICAN RESIDENTIAL, COMMERCIAL AND INSTITUTIONAL MARKETS.

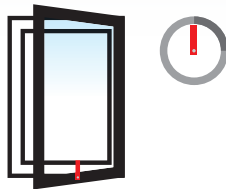
- ⇒ Different depths of frames suited to a variety of construction purposes: 3 1/4"(82mm), 4 1/2"(114mm), 5 1/4"(133mm) and 5 3/4"(146mm) Hybrid.
- ⇒ The optimized thermal design of the profiles, and the option to use Ig configuration 1"(25mm), 1 3/8"(35mm) and 1 3/4"(44mm).
- ⇒ The THERMOPLAST tilt and turn window series exceeds industry standards and achieves a exceptional thermal performance.

### This Multi-Functional window system can be used and fabricated in different combinations :

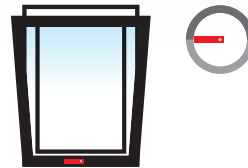
- ⇒ Dual action Tilt & Turn window ( casement and awning )
- ⇒ French casement opening (interior view)
- ⇒ Fixed window



**Position 1**  
Closed



**Position 2**  
Open inwards casement



**Position 3**  
Open inwards awning

### Because of its different opening modes, the tilt-and-turn window offers many advantages for the consumer:

- ⇒ **Easy maintenance** with the inward opening;
- ⇒ Opening in oscillating position allows **ventilation at all times**, and this without fear of rain or debris entering the home;
- ⇒ **A safe opening:** Even when the window is open for ventilation, its partial opening in the upper part of the sash limits the risk of forced entry and prevent against a potential accidents and injuries.
- ⇒ **Space saving:** When the casement is open in the oscillating position, its upper part tilts, which reduces the space used.

## ENVIRONMENTAL PERFORMANCE

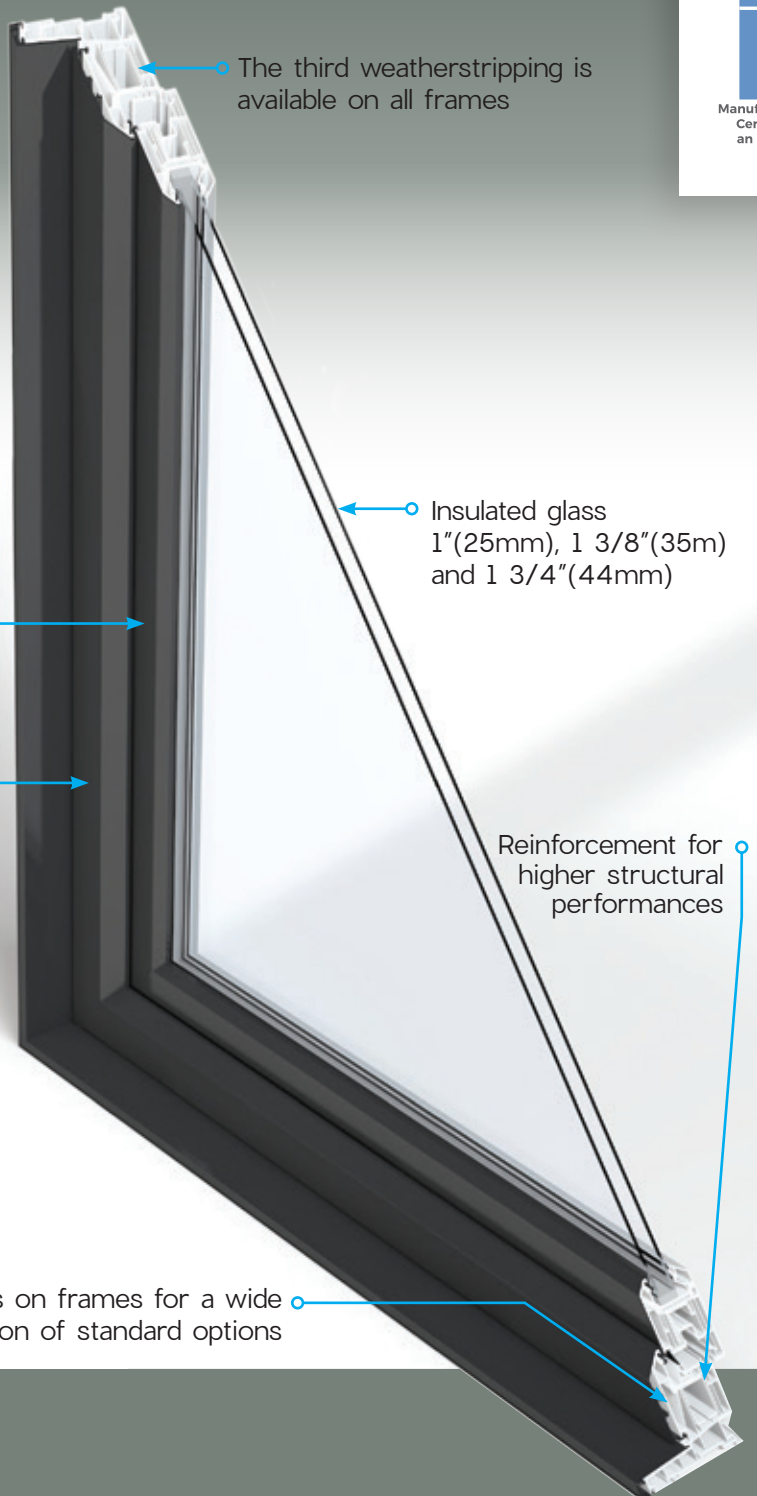
- ⇒ Designed and fabricated to meet Passivhaus standards
- ⇒ ENERGY STAR® certified
- ⇒ Made to reduce energy consumption and slow climate change through use of sustainable building elements
- ⇒ Manufactured using Eco-Conception and End of Life design to reduce waste

## FEATURES & BENEFITS

- ⇒ High-quality continuous compression weather seal VOC (Volatile organic components) on frames and sashes for air tightness, high water penetration resistance and high acoustical protection benefit.
- ⇒ Multiple assembly, structural or modular
- ⇒ Designed to accommodate hidden hinges hardware system

Sashes 2 3/4" (70mm), 3 1/8" (80mm) and 4 3/8" (110mm) height

Frames 3 1/4" (82mm), 4 1/2" (114mm), 5 1/4" (133mm) and 5 3/4" (146mm) Hybrid for several types of constructions



The third weatherstripping is available on all frames

Insulated glass 1" (25mm), 1 3/8" (35mm) and 1 3/4" (44mm)

Reinforcement for higher structural performances

Outside and Inside accessory grooves on frames for a wide selection of standard options



Manufacturer of AAMA Certified Profiles, an FGIA Program

## PERFORMANCES

## STRUCTURAL

LA MARQUISE  
Models

DUAL ACTION	Air Tightness	Water Resistance [Pa]	Wind-Load Resistance [PA]	Forced Entry	Class
NAFS-AAMA/WDMA/ CSA 101/I.S.2/A440	A1 A2 <a href="#">A3</a>	140       <a href="#">730</a>	720       <a href="#">4800</a>	F10 <a href="#">F20</a>	CW-PG100-DAW (47" x 71")
<b>TILT &amp; SLIDE</b>					
NAFS-AAMA/WDMA/ CSA 101/I.S.2/A440	A1 A2 <a href="#">A3</a>	140       <a href="#">730</a>	720       <a href="#">5040</a>	F10 <a href="#">F20</a>	CW-PG100-AP (47" x 39")
<b>FIX</b>					
NAFS-AAMA/WDMA/ CSA 101/I.S.2/A440	A1 A2 <a href="#">A3</a>	140       <a href="#">730</a>	720       <a href="#">4800</a>	F10 <a href="#">F20</a>	CW-PG100-FW (71" 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,

THERMOPLAST

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