

MD System

EN





MD System

*Modern design
for prefabricated buildings*

Doors and windows, in the field of prefabricated buildings, are an essential building element, ensuring brightness, allowing ventilation of rooms and entry of sunlight, and defining the relationship between internal and external spaces.

With **MD**, the **Piva Group**, which has always shown a particular concern for **environmental sustainability**, proposes high-performance windows, **with PassiveHouse certification**, fully embracing a “green” and “zero energy consumption” philosophy.





What makes MD System unique

The **MD System** is a unique and innovative system with **3 gaskets** and an L- or Z-shaped **7 chamber** frame with a thickness of 115.5 mm and a sash thickness of 76 mm, available with internal and external fitting and up to 48 mm glass panel thickness (including triple glazing).

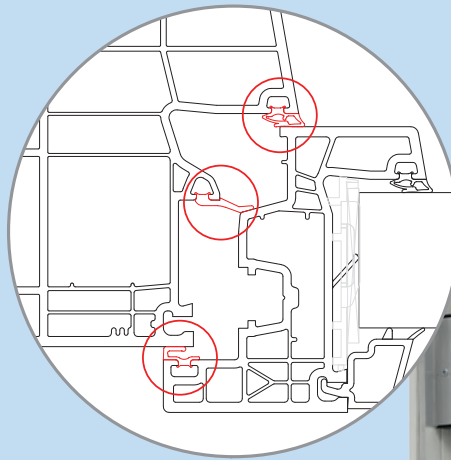
MD is the perfect window for prefabricated buildings that require the **highest performance standards in terms of air, water and wind resistance, while also caring for the aesthetic aspect** thanks to a modern and angular design.

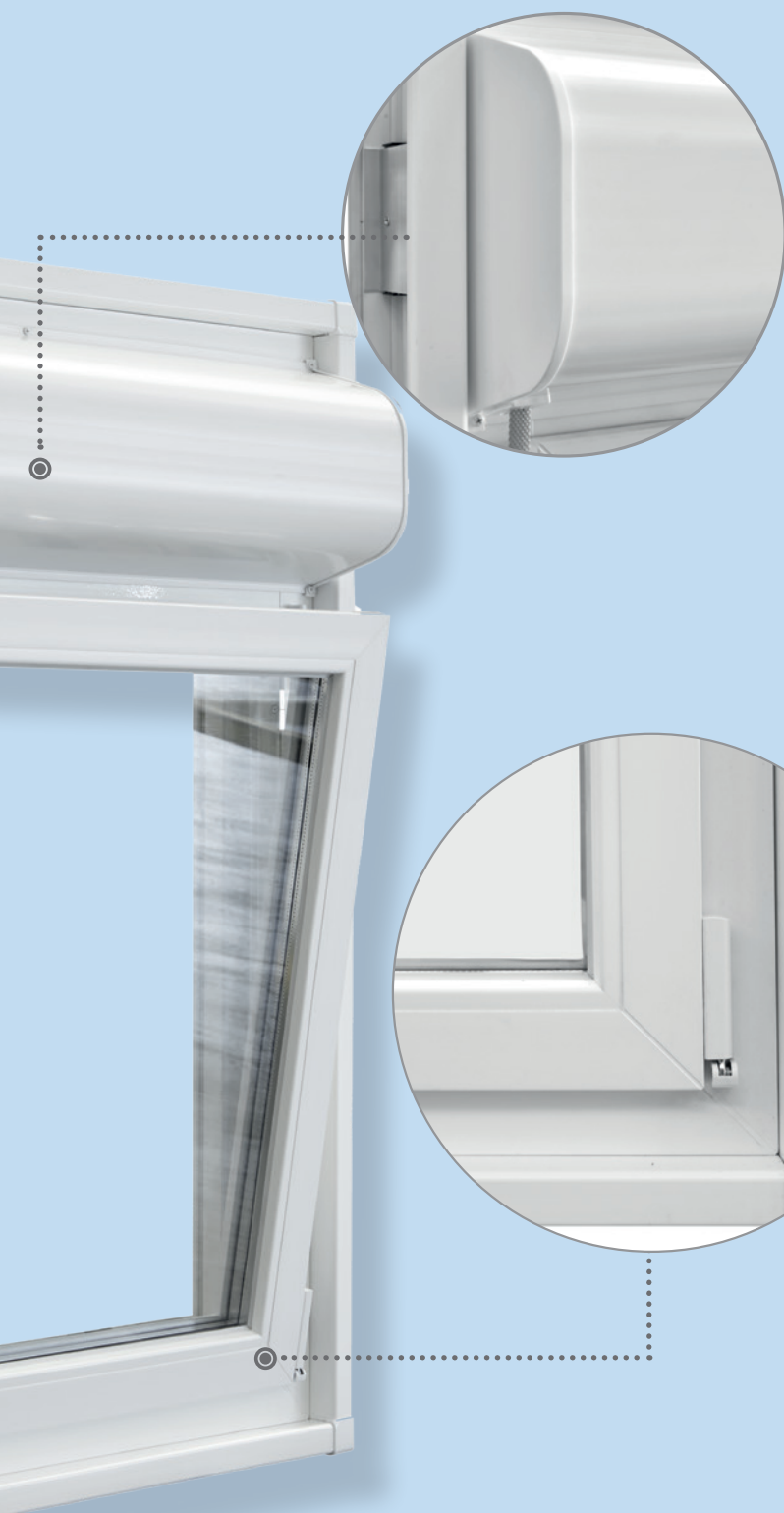
(*) Other advantages of this system are the reinforced sash to improve glass panel stability and the option of including EPS inserts with graphite ($\lambda=0.035$ W/m²K) in the lower part of the frame to enhance thermal insulation.



Choose the right thickness for you

The special serration included in the frame allows solid and adjustable fitting on surfaces with a depth of up to 300 mm. In practice, this range can be fitted in any window opening without the need for costly alterations.





Certified quality products

Our customers' satisfaction essentially depends on their expectations and our ability to keep our promises. Certification is one way of ensuring we can keep our promises and satisfy product-related expectations.

MD System has passed demanding certification tests, achieving the standards required by **PassiveHouse Certification** (*).












Shed some light on your relaxation


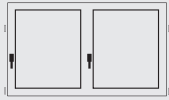
The special **reduced sash**, with a height of only 70 mm, allows more space for the glazed surface and more light in internal spaces, without affecting the high performance of the window. **MD System** is available **with and without a fitted roller shutter**, which maintains high performance thanks to its insulated roller shutter box.



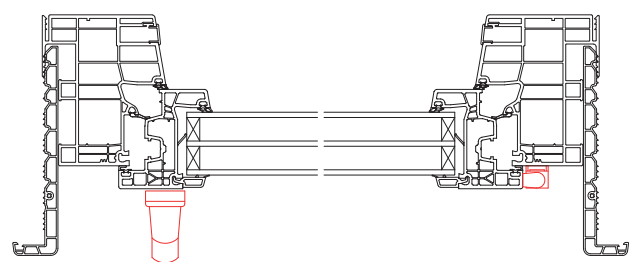
Certified acoustic insulation

39 dB on the version with box and 42 dB without box.

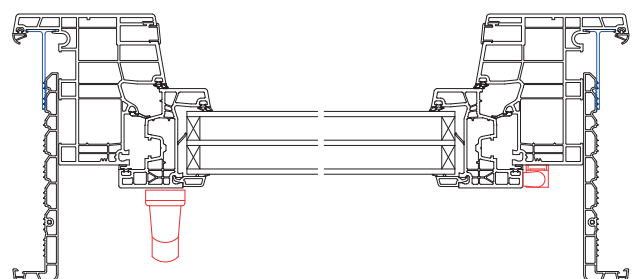
Thermal transmittance in W/m^2K	
Certified acoustic insulation	
Class of resistance to wind load	
Water tightness class	
Air permeability class	
Number of chambers	
Frame profile in mm	
Max thickness of the glass panel in mm	
Maximum dimensions in mm	

	1 sash window	2 sash window
		
	1 sash window	2 sash window
	Uf 0,96	Uf 0,96
	42 dB	42 dB
	C5	B3
	E1050	E1050
	Class 4	Class 4
	7	7
	115.5	115.5
	48	48
	1200 x 1600	2400 x 1600

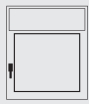
1. Internal fitting version with internal profile: 1 sash window with no roller shutter - horizontal section
2. External fitting version with internal profile: 1 sash window with no roller shutter - horizontal section
3. Internal fitting version with internal profile: 1 sash window with roller shutter - vertical section
4. External fitting version with internal profile: 1 sash window with roller shutter - vertical section



1.



2.



1 sash window
+ roller shutter



2 sash window
+ roller shutter

Thermal transmittance

in W/m^2K



Uf 0,96

Uf 0,96

**Certified acoustic
isulation**



39 dB

39 dB

**Class of resistance
to wind load**



C5

B3

Water tightness class



E1050

E1050

Air permeability class



Class 4

Class 3

**Number of
chambers**



7

7

Frame profile

in mm



115.5

115.5

**Max thickness of the
glass panel** in mm



48

48

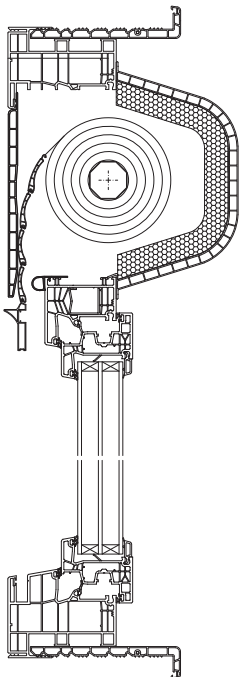
Maximum dimensions

in mm

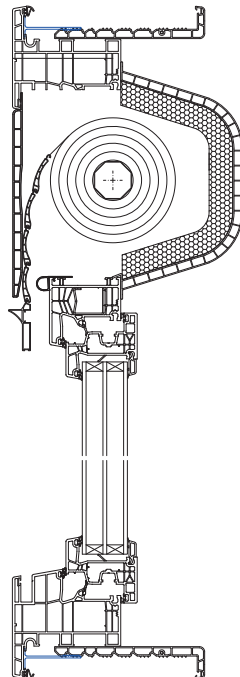


1200 x 1800

2400 x 1800



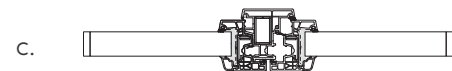
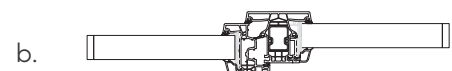
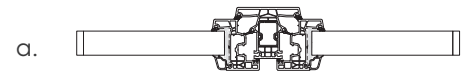
3.



4.

Possible solutions:

- a. Central interlock - double tilt & turn
- b. Central interlock - sash + fixed glass panel
- c. Central interlock - sash + tilt & turn
- d. Central interlock - fixed glass panels





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