

ALUMIL

SMARTIA M7



CURTAIN WALL INSULATED SYSTEM

SMARTIA M7 is a complete system for high energy efficiency curtain walls, which offers quality constructions in affordable prices and fully meets all stability and safety requirements.

- 50 mm width of mullions and transoms.
- High thermal insulation thanks to the special insulating material.
- Option of structural curtain wall constructions without aluminium covers, using the same mullions and transoms.
- The transom screws are covered by the transom gasket, thus minimizing water and air penetration problems.
- Low fabrication cost due to accessories and ease of fabrication.
- Includes an effective water evacuation system.
- Special supports for shading blades.
- Various hinged window types can be applied: parallel projected, top hung, inwards tilt & turn, concealed sash tilt & turn, seamless inwards tilt & turn, all Tilt & Turn SMARTIA systems.
- Constructions with inclined or polygonal surfaces.
- Can be combined with all types of doors of the SMARTIA series.

Exterior aesthetics

With horizontal and vertical cover (standard).
Structural (glass only).

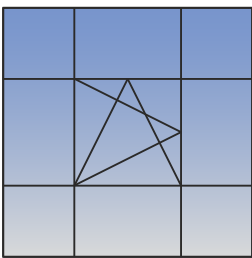




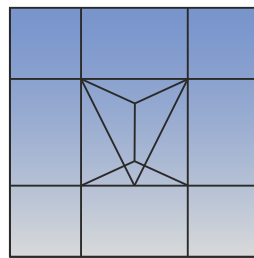
TECHNICAL CHARACTERISTICS

Exterior visible width	50 mm
Mullion depth	28 - 267 mm
Transom depth	16,5 - 266 mm
Glazing	Stick type with EPDM gaskets
Glass thickness	4 - 54 mm
Mullions max inertia	$I_x=2788$ $I_y=131,20\text{ cm}^4$
Transoms max inertia	$I_x=973$ $I_y=60,3\text{ cm}^4$

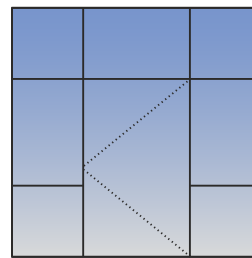
TYOLOGIES



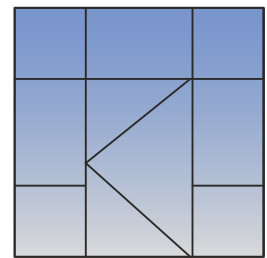
Tilt and turn vent window
Tilt and turn vent conceal window



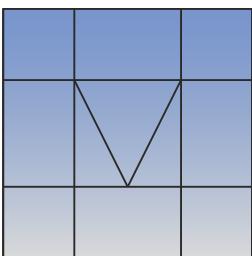
Parallel and projected
outward window



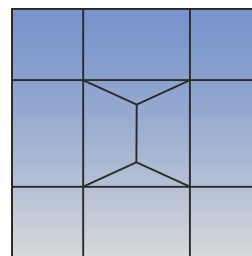
Hinged opening
outward door



Hinged opening
inward door



Projected
outward window



Parallel projected
outward window

CERTIFICATES (Available for Standard & Structural Glazed)

	Air permeability EN 12152	CLASS AE
	Watertightness EN 12154	CLASS RE 1200
	Resistance to wind load EN 13116	$\pm 3,0\text{ kN/m}^2$
	Burglar resistance EN 1627-1630	RC3, RC4
	Sound reduction EN 13830	49 dB
	Thermal Insulation EN 12412-2	$U_f = 1,0 - 2,3\text{ W/m}^2\text{K}$

