

Alumil

SMARTIA M6



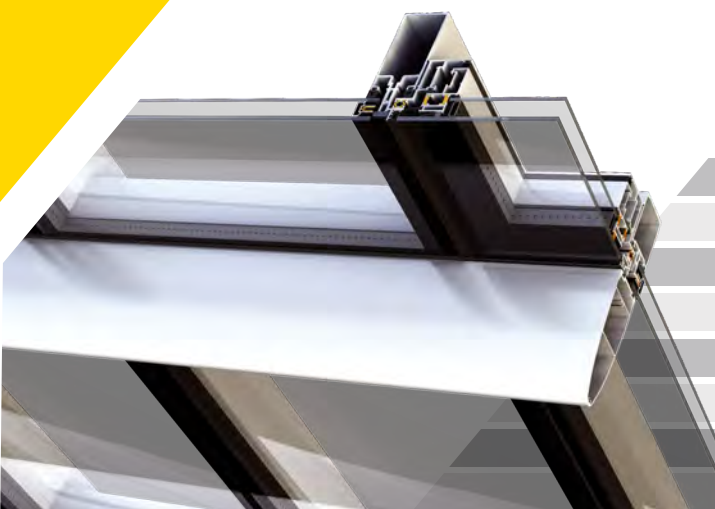
CURTAIN WALL INSULATED SYSTEM



SMARTIA M6 is a complete insulated system for curtain walls, which is ideal for sturdy constructions and can meet effectively all architectural requirements, as for example the creation of large frames.

- 55 mm width of mullions and transoms.
- High thermal insulation up to $U_f = 1,5 \text{ W/m}^2\text{K}$.
- Large variety of mullions for high wind loads.
- Various covers for external surfaces of high aesthetic value.
- Structural version available without visible aluminium covers.
- 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.

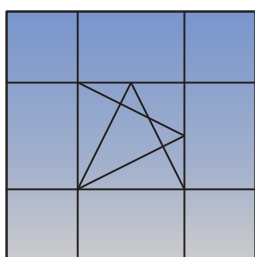




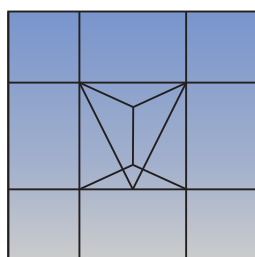
TECHNICAL CHARACTERISTICS

Exterior visible width	55 mm
Mullion depth	65/223 mm
Transom depth	30/179 mm
Glazing	Stick type with EPDM gaskets
Glass thickness	Up to 50 mm
Outer frame max inertia	$I_x=2082$ $I_y=183$ cm ⁴
Mullions max inertia	$I_x=32$ $I_y=105$ cm ⁴
Transoms max inertia	$I_x=568$ $I_y=64$ cm ⁴

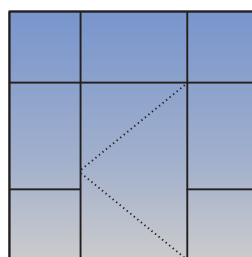
TYOLOGIES



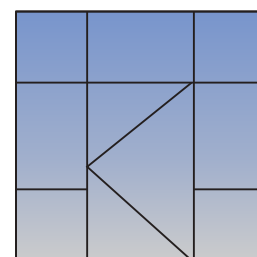
Tilt and turn vent window
Tilt and turn vent conceal window



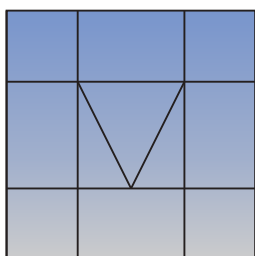
Parallel and projected
outward window



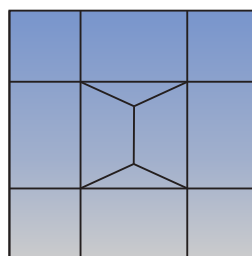
Hinged opening
outward door



Hinged opening
inward door







Projected
outward window



Parallel projected
outward window

CERTIFICATES

	Air permeability EN 12152	CLASS A4
	Watertightness EN 12154, ENV 13050	CLASS R7, 450 Pa/150 Pa
	Resistance to wind load EN 13116	± 2,25 kN/m ²
	Thermal Insulation EN 12412-2	$U_f = 1,5 - 3,3$ W/m ² K

