

SMARTIA M11500 is a complete Tilt & Turn system for highly insulated doors and windows which can fit either a European Groove or a PVC Groove mechanism.

- Basic system depth 76,5 mm.
- Option of concealed sash and horizontal pivot windows.
- Special profiles for various entrance door typologies.
- Available in various designs: flat, curved, classic.
- Max. glass thickness up to 70 mm and weight per sash up to 130 Kg.
- Certified for WK3 anti-burglar protection.
- Sound proof up to 47dB.
- Certified by the IFT Rosenheim & AAMA institutes.

















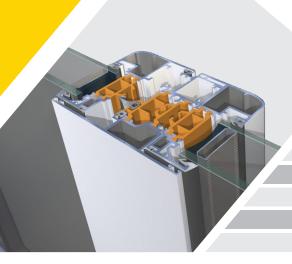












## **TECHNICAL CHARACTERISTICS**

4	Minimum aluminium visible width	137 mm
	Frame height	58 mm
	Frame width	76,5 mm
	Sash height	66 mm
	Sash width	84 mm
	Sash weight	130 Kg
	Glazing	up to 70 mm
	Insulation	Polyamides 34 & 38 mm width

## **TYPOLOGIES**



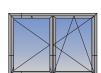
Single tilt & turn casement



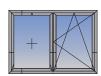
Single tilt & turn casement with fanlight



Single tilt & turn with bottom hung casement



Single tilt & turn with side-hung casement



Single tilt & turn with side-hung casement



Horizontal pivot casement



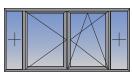
Vertical pivot casement



Single tilt & turn with side-hung casement and fanlight



Single tilt & turn with side-hung and bottom hung casement



Single tilt & turn with bottom hung casement and fixed lights





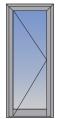
Single tilt & turn casement



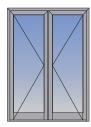
Single tilt & turn casement with fixed light



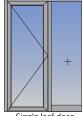
Single tilt & turn with side-hung casement



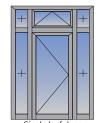
Single leaf door



Double leaf door



Single leaf door with fixed light



Single leaf door with fanlight and fixed lights

## **CERTIFICATES**

	Air permeability EN 1026, EN12207	CLASS 4	
	Watertightness EN 1027, EN 12208	CLASS E900	
	Resistance to wind load EN 12210, EN 12211	CLASS C5	
	Sound reduction EN 20140-3	Rw (C;Ctr) = 47 (-1,-4) dB	
	Thermal insulation EN 10077-2	$U_f = 1.9 - 2.3 \text{ W/m}^2\text{K}$	
	Burglar resistance EN 1627-1630	WK3	



**ALUMIL SA** 

KILKIS INDUSTRIAL AREA GR 61 100, KILKIS TEL: +30 23410 79300 FAX: +30 23410 71988

www.alumil.com