

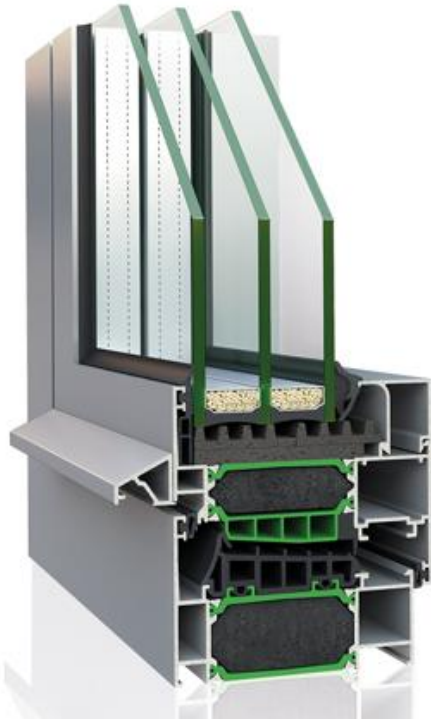
W 4900



Aluminium window system certified by the Passive House Institute (PHI) in order to meet the high requirements of passive houses.



EN 14351-1:2006+A2:2016



The W4900 is a new advanced aluminium system that combines the proven benefits of hinged windows and doors - elegant design and maximum safety - with the highest thermal insulation requirements.

It incorporates all the well-known benefits of aluminium windows such as stability and high structural requirements with a superior level of thermal insulation value of $U_w=0.78$ W/m^2K and the greatest possible degree of architectural design freedom.

The use of 54 mm reinforced polyamides, the EPDM central gasket and the advanced perimeter locking mechanism, all in one system offer an outstanding Thermal Insulation Index $U_f= 0.76$ W/m^2K .

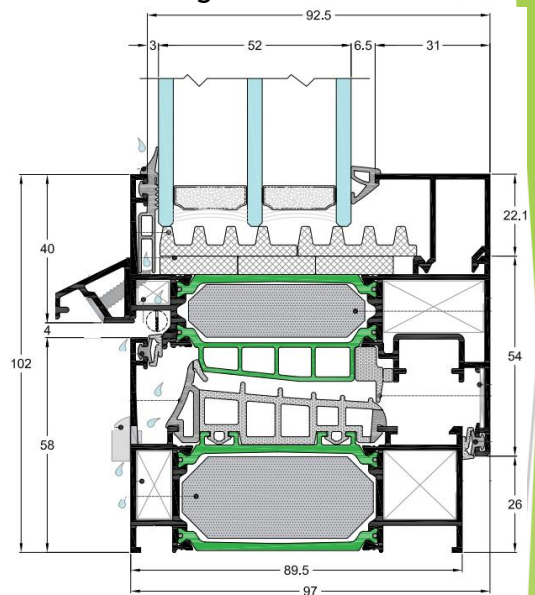
It constitutes an ideal solution for high-end residential and

commercial projects that require high energy efficient performance with a high degree of design along with top functionality.

The available profiles integrate perfectly with high-quality components and mechanisms that underline the versatile and ergonomic nature of the system.

Features & Benefits

- Unique thermal insulation for aluminium windows
- Exceptional water tightness and sound insulation
- Superior safety due to the multiple perimetric locking.
- Simplified accessibility for people with special needs and children
- Possibility of using hidden hinges
- Multi-chamber central gasket that ensures optimum impermeability preventing energy loss
- Use of triple glazing
- Wide range of typologies and solutions
- Greater static resistance and functionality
- Ideal solution for homes and buildings with high energy requirements.
- Window type: Casement
- Thermal insulation: Yes
- External shape: Flat



Technical Characteristics

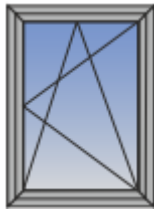
Performance

FRAME DEPTH:	89.5 mm	RESISTANCE TO WIND LOAD (UNI EN 12210)	Clase C4
SASH DEPTH:	97.00 mm	WATER TIGHTNESS (UNI EN 12208)	Classe 6A
FRAME HEIGHT:	56.00 mm	AIR PERMEABILITY (UNI EN 12207)	Classe 3
MIN. WIDTH CENTRAL COLUMN	157.00 mm	THERMAL TRASMITTANCE Uf W/(m2K)	0.78
SASH WEIGHT:	up to 180 Kg	THERMAL TRASMITTANCE Uw (UNI EN ISO 10077-1)	0.9
GLAZING TYPE:	Triple	BURGLAR RESISTANCE:	RC1/RC2/RC3
GLAZING THICKNESS:	48-80 mm		
THERMAL INSULATION:	Polyamides 54 mm, Insulation foam		

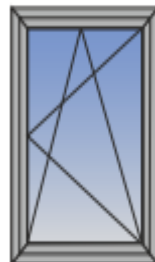
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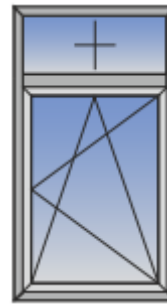
Fixed



One sash tilt and turn



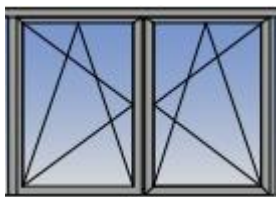
One sash tilt & turn low threshold



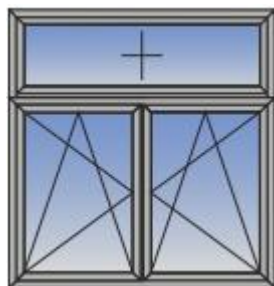
Single tilt & turn with fixed light



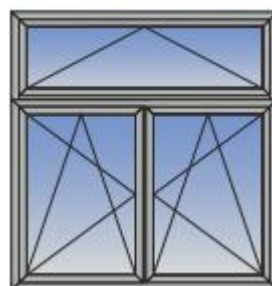
Single tilt & turn with fanlight



Double tilt and turn



Double tilt and turn with fixed light



Double tilt and turn with fanlight



Double tilt and turn