

By EFTCG

**NORDIC**  
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**NORDIC**

# EMERPUS

## S91

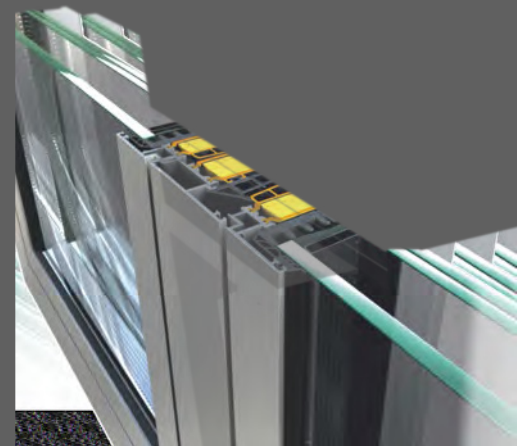


### HINGED INSULATED SYSTEM

The EMERPUS S91 was designed in order to meet the high requirements of passive houses. It is ideal for heavy duty constructions offering a high level of security. The system's development was driven by the need for best in class performances in terms of thermal insulation, watertightness as well as sound reduction. The S91 is the perfect solution for the most demanding markets.

- Certified by the Passive House Institute (PHI), according to the specifications of the passive houses.
- Visible aluminium face width only 93 mm.
- Superior thermal insulation with  $U_f \geq 0,67 \text{ W/m}^2\text{K}$  thanks to the use of fiberglass reinforced polyamides 54 mm width, PE insulation foam and Kooltherm bars.

- Exceptional level of watertightness achieved by a special co-extruded foam EPDM gasket.
- For all typologies of casements and patio doors.



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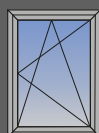
# EMERPUS S91



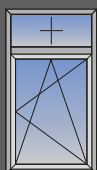
## TECHNICAL CHARACTERISTICS

Visible aluminium face width	93 mm
Frame height	61 mm
Frame width	91 mm
Sash height	73 mm
Sash width	99 mm
Sash weight	Up to 150 Kg
Glazing	37 up to 81 mm
Insulation	Polyamides 54 mm width, Kooltherm, PE insulation foam

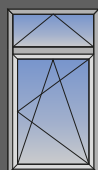
## TYOLOGIES



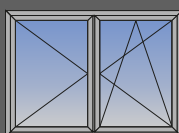
Single tilt & turn casement



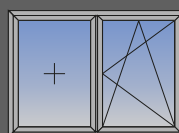
Single tilt & turn casement with fanlight



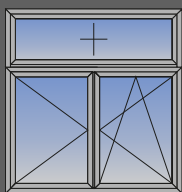
Single tilt & turn with bottom hung casement



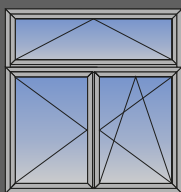
Single tilt & turn with side-hung casement



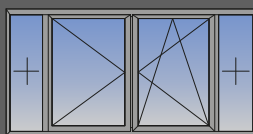
Single tilt & turn with fixed light



Single tilt & turn with side-hung casement and fanlight



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



Single tilt & turn with side-hung casement and fixed lights

## CERTIFICATES

	Air permeability EN 1026, EN12207	CLASS 4
	Watertightness EN 1027, EN 12208	CLASS 8A
	Resistance to wind load EN 12210, EN 12211	CLASS C5/B5
	Burglar resistance EN 1627-1630	RC2
	Sound reduction EN 14351, EN 717	R <sub>w</sub> (C;Ctr) = 41 (-2;-5) dB
	Thermal Insulation EN 10077-2	U <sub>w</sub> = 0,79 W/m <sup>2</sup> K

\* For window dimensions 1,23 x 1,48 m and U<sub>g</sub> = 0,7 W/m<sup>2</sup>K