



Window & door system
MB-79N E

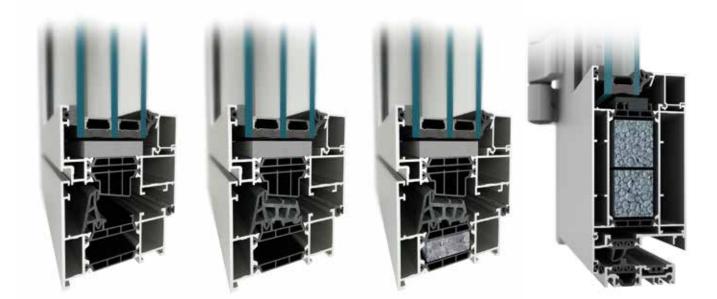
MB-79N E MB-79N ST MB-79N SI

The MB-79N is a state-of-the art and economical addition to the Aluprof window & door systems. It has been designed to outperform typical thermal insulation requirements. The MB-79N series can be used to fabricate fixed, side-hung, hopper, tilt-and-turn, and hopper-and-slide windows, as well as single and double exterior doors, and storefront solutions complete with doors. In addition to the economical version MB-79N E, featuring a one-component central seal, and the MB-79N ST version with a two-component central seal, Aluprof also offers the MB-79N SI variant with enhanced thermal insulation, and with profiles that come equipped with insulating inserts and a two-component central seal. For external doors, Aluprof also offers the MB-79N SI variant that comes with a central seal and insulating inserts inside the profiles.



U_w from 0.64 W/(m²K)

WINDOW & DOOR SYSTEM / MB-79N



MB-79N E window

MB-79N ST window

MB-79N SI window

MB-79N SI+ door

 $\begin{array}{l} U_f \, from \, 2.16 \, W/(m^2 K) \, for \, MB-79N \, ST; \\ U_f \, from \, 1.76 \, W/(m^2 K) \, for \, MB-79N \, SI; \\ U_f \, from \, 1.22 \, W/(m^2 K) \, for \, MB-79N \, SI+ \end{array}$

class C5/B5, EN 12210

FEATURES AND AESTHETICS

- \cdot profile depth: 79 mm (casement) and 70 mm (window frame and door leaf)
- thermal breaks made of an innovative material with a brand-new shape allow the use of a seal in the area of profile insulation, in both windows and doors
- windows in 3 thermal variants (MB-79N E, MB-79N ST, MB-79N SI) and doors in 3 thermal variants (MB-79N ST, MB-79N SI and MB-79N SI+)
- thermal insulation: U_w starting from 0.64 W/(m²K), U_f starting from 0.83 W/(m²K)
- $\cdot\,$ excellent kinematics enabling the fabrication of narrow, operable windows
- \cdot door leaf profiles have isolation joint, which eliminates thermal stresses during operation
- possibility of using invisible hinges and the most popular multi-point hardware, including hidden fittings + state-of-the art AluPilot fittings; for doors, fittings with automation and access control functions are also available
- able to receive double or triple glazing, up to 63 mm for windows and 54 mm for doors, thus making it possible to use
- all common types of glass, including acoustic or burglar-resistant glass
- \cdot possibility to produce security doors rated RC1 RC3, and panel doors in many highly aesthetic versions
- \cdot large selection & different styles of handles, including minimalist looking handles with or without rosette

TECHNICAL SPECIFICATION	MB-79N WINDOWS	MB-79N DOORS
Frame depth	70 mm	70 mm
Casement depth	79 mm	70 mm
Glazing thickness	frame: 1.5 – 54 mm, casement: 10.5 – 63 mm	frame: 1.5 – 54 mm
Max. casement size (H×L)	H up to 2700 mm, L up to 1350 mm H up to 2150 mm, L up to 1700 mm	H to 2800 mm, L to 1400 mm
PERFORMANCE	MB-79N WINDOWS	MB-79N DOORS
Air permeability	class 4, EN 12207	class 4, EN 12207
Water tightness	class E 1950, EN 12208	class E 900, EN 12208

 * $\,$ - Uw for MB-79N SI fixed window 1300×2700 mm, glazing Ug=0.5 W/(m²K) ** $\,$ - Uw for MB-79N SI operable window 1300×2700 mm, glazing Ug=0.5 W/(m²K)



Thermal insulation

Windload resistance

ALUPROF SA

U_w from 0.64 W/(m²K)*, U_w from 0.73 W/(m²K)**, U_f from 0.83 W/(m²K) for MB-79N SI, U_f from 1.21 W/(m²K) for MB-79N E and MB-79N ST

class C5, EN 12210

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