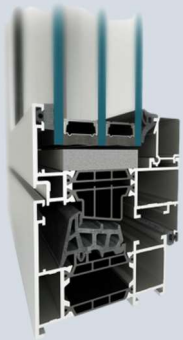
Hansen



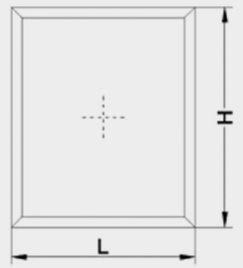
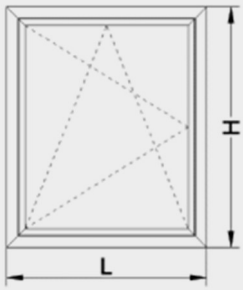
Window system with a thermal break Aluprof MB-79N

The MB-79N is a state-of-the art and economical addition to the 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 and tilt-and-turn 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.

Depth of frame:	70 mm
Depth of sash:	79 mm
Glazing range:	Frame: 1,5-54 mm Sash: 10,5-63 mm
Maximum dimensions:	L to 1350 mm, H to 2700 mm L to 1700 mm, H to 2150 mm
Variants:	MB-79N E MB-79N ST MB-79N SI
Air permeability:	Class 4
Water tightness:	Class E 1950
Resistance to wind load:	Class C5

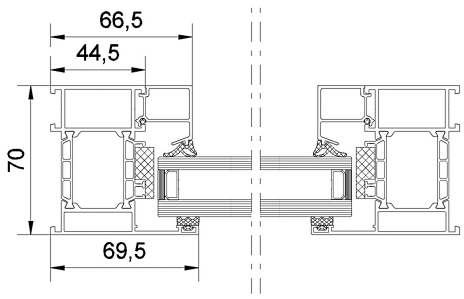
Examples of heat transfer coefficients Uw

	System	Uw factor for glass Ug=0,5	Uw factor for glass Ug=0,7
 frame	MB-79N ST	0,82 W/m²K	0,98 W/m²K
	MB-79N SI	0,82 W/m²K	0,98 W/m²K
	MB-79N SI+	0,7 W/m²K	0,86 W/m²K
 sash	MB-79N ST	0,98 W/m²K	1,1 W/m²K
	MB-79N SI	0,95 W/m²K	1,0 W/m²K
	MB-79N SI+	0,79 W/m²K	0,93 W/m²K

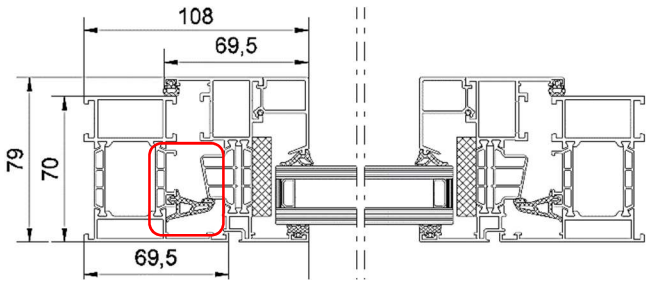
U-value calculated on the basis of a door measuring 1230 x 1480 mm (LxH)

MB-79N E

Fixed

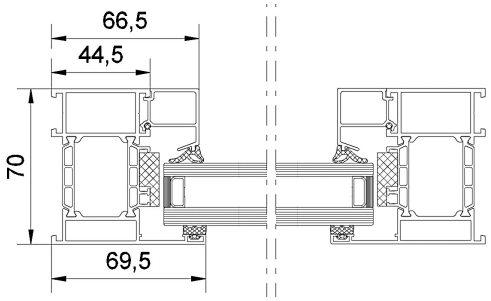


Sash

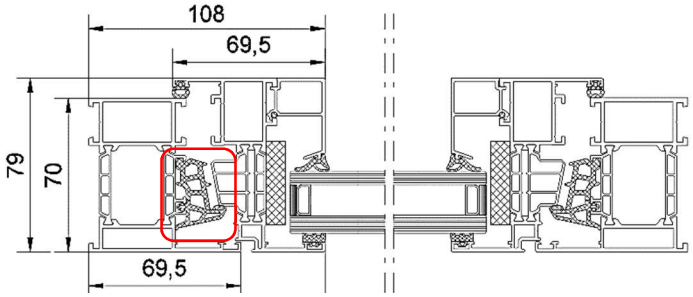


MB-79N ST

Fixed

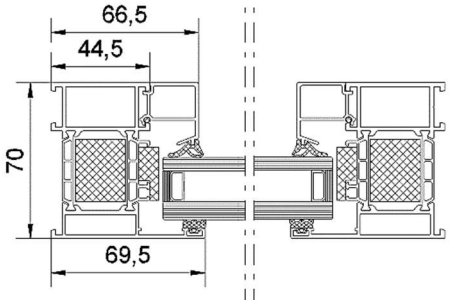


Sash

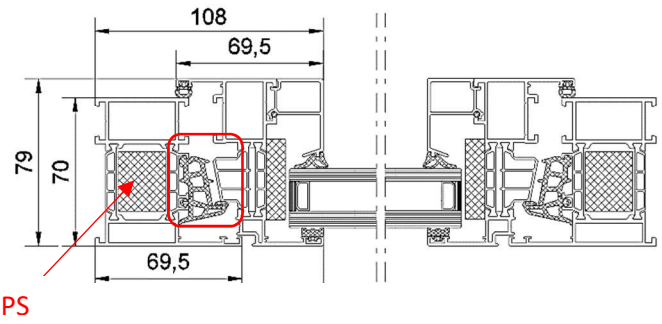


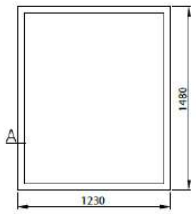
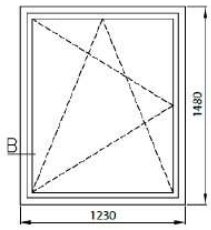
MB-79N SI

Fixed



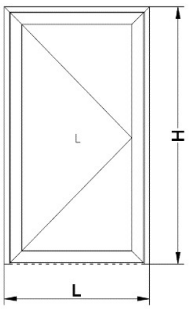
Sash



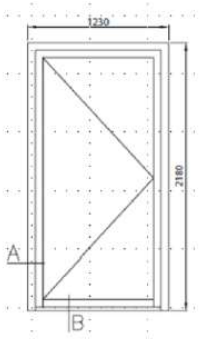
	SYSTEM	U_w FACTOR for glass U_g=0,5	U_w FACTOR for glass U_g=0,7
	MB-79N E	0,82 W/m²K	0,98 W/m²K
	MB-79N ST	0,82 W/m²K	0,98 W/m²K
	MB-79N SI	0,70 W/m²K	0,86 W/m²K
	MB-79N E	0,98 W/m²K	1,1 W/m²K
	MB-79N ST	0,95 W/m²K	1,0 W/m²K
	MB-79N SI	0,79 W/m²K	0,93 W/m²K

DOORS MB-79N

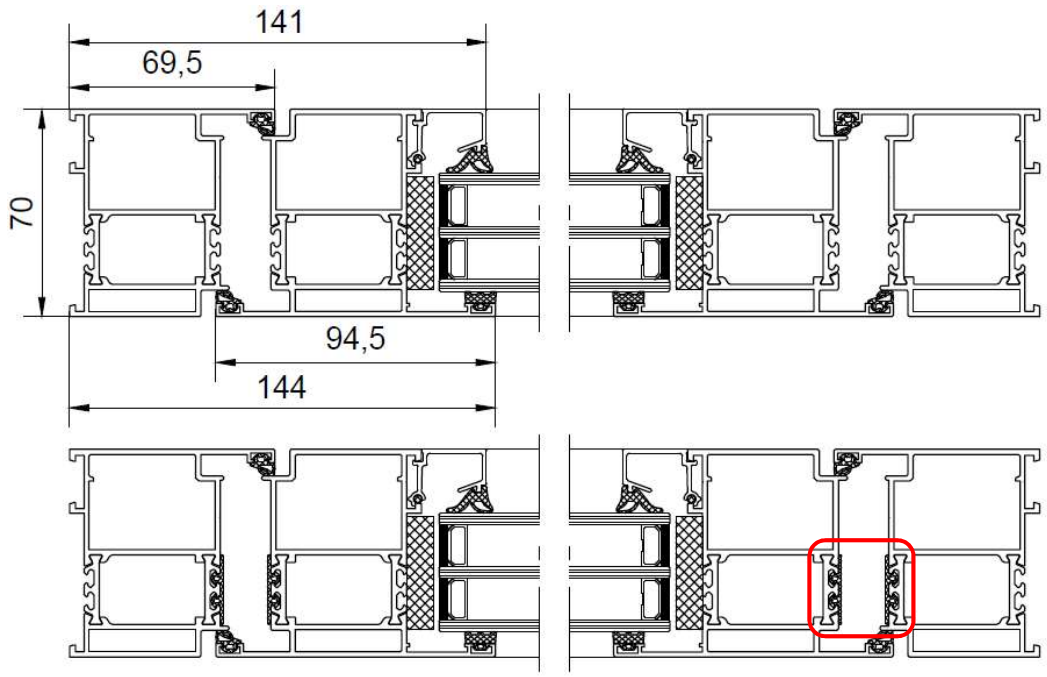
TECHNICAL SPECIFICATION	
Depth of frame	70 mm
Depth of leaf	70 mm
Glazing range	1,5 – 54 mm
SIZE AND WEIGHT LIMITATIONS	
Maximum size (HxL)	H to 2800 mm L to 1400 mm



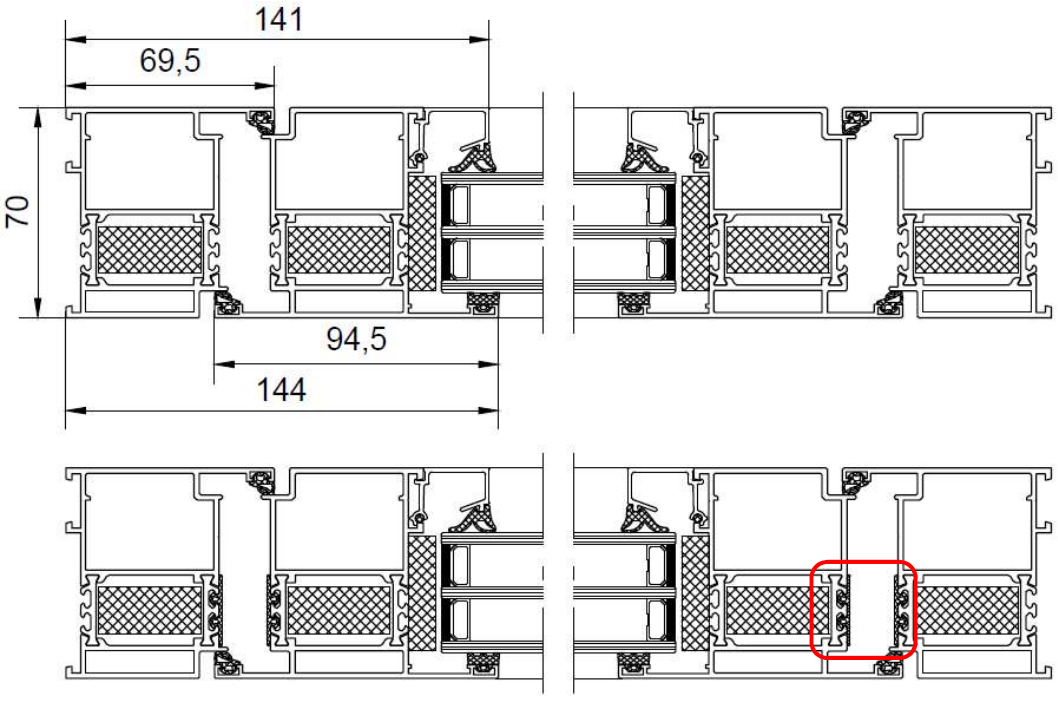
Examples of heat transfer coefficients Uw

	SYSTEM	U_w FACTOR for glass U_g=0,5	U_w FACTOR for glass U_g=0,7
	MB-79N ST	1,2 W/m²K	1,3 W/m²K
	MB-79N SI	1,1 W/m²K	1,2 W/m²K
	MB-79N SI+	1, 0 W/m²K	1,1 W/m²K

MB-79N E, ST



MB-79N SI



MB-79N SI+