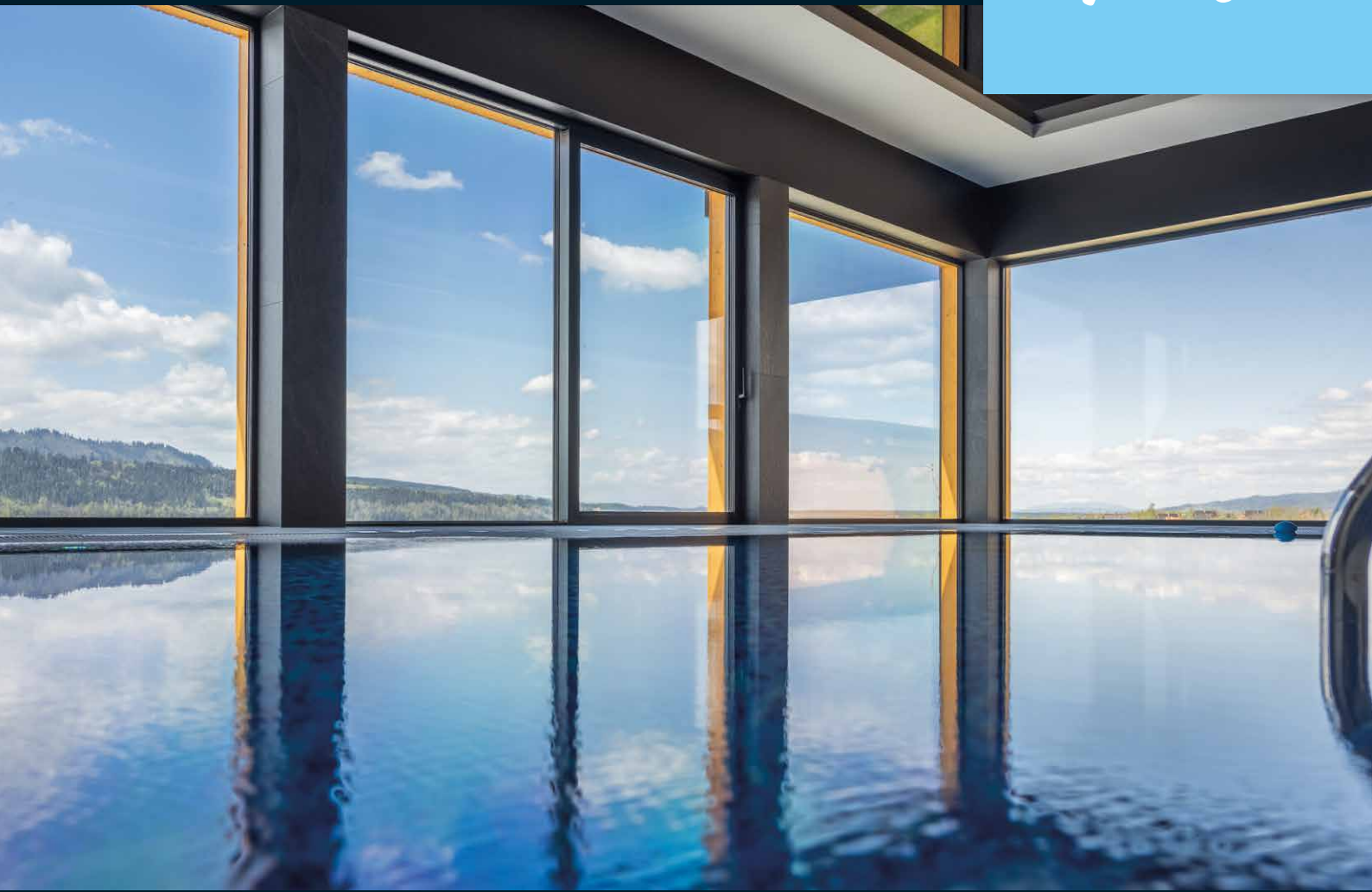


ALU



Lift and slide
door system
AS 178HS PRO SLIM

 **aluron**
ALUMINIUM SYSTEMS

SYSTEM AS 178HS PRO SLIM

LARGE-FORMAT LIFT AND SLIDE DOOR

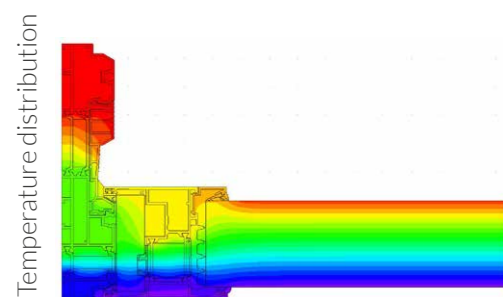
The solution is used to construct a new generation of large-format, all-glass lift & slide doors dedicated to residential buildings and other projects where ease of use and movement play an important role.

The effect of maximum room illumination has been achieved through the use of exceptionally slender profile assemblies within the system, which give the impression of light and delicate installation. The use of top-class hardware allows for easy and comfortable sliding of even very heavy door leaves.

The ANTI-BI-METAL technology used as standard ensures durability and proper functioning irrespective of significant temperature differences inside and outside the room, while the flat door bolt strikers guarantee aesthetics and user safety. The solution is an alternative to expensive narrow-profile designs.



















EXCELLENT THERMAL INSULATION



Perfectly straight isotherms.

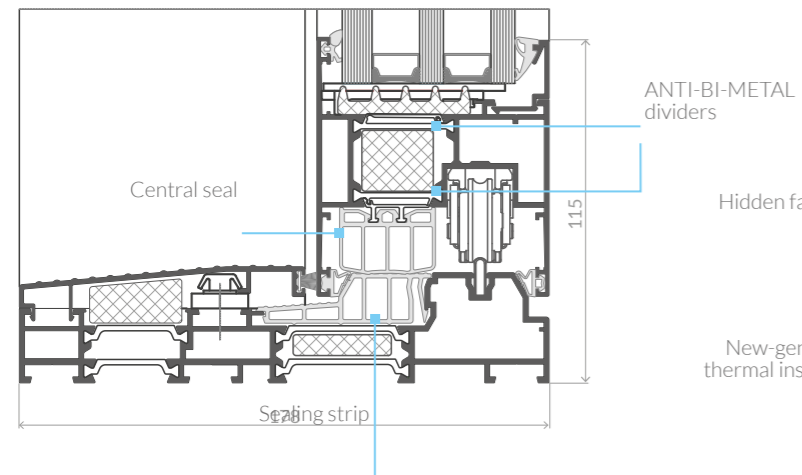
The system's design allows for the highest thermal insulation parameters, which is an important asset in modern energy-efficient construction industry.

DESIGN & FUNKCJONALNOŚĆ

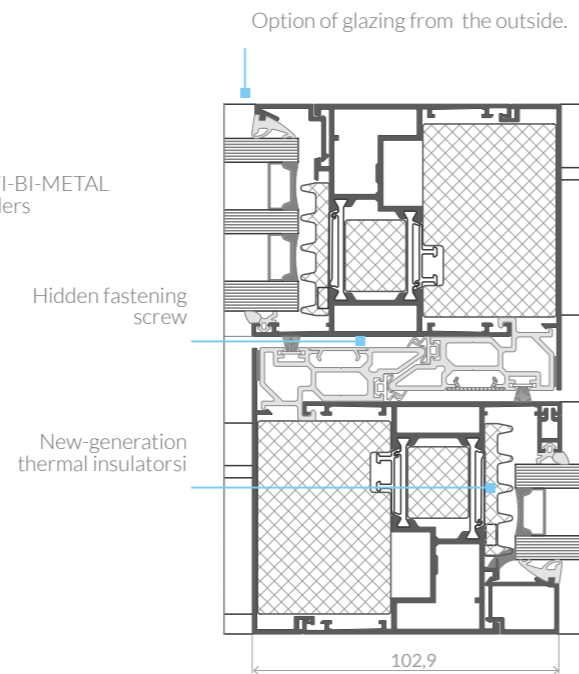
-  Option of constructing structures in all fitting patterns.
-  Available in GLASS LINE version with all-glass cladding.
-  Solutions of all-glass corners and opening corners without a mullion.
-  The solution of a low, warm threshold.
-  The solution of a narrow mullion - 50 mm.
-  Simple frame drainage system.
-  Option to automate leaf movement. SIEGENIA and HAUTAU brand automation.
-  Narrow built-in profiles and crimp joints of the aluminium frames.
-  A solution compatible with the Aluron AS M system of mosquito net.
-  Option of integrating the door frame completely into the thermal insulation layer.
-  Multi-fold constructions based on a two and three-track frame.
-  Large glazing - 15-20% more indoor lights.
-  Most profiles cut straight. 10% shorter prefabrication time.
-  Option of glazing from the outside and inside.
-  Optional studded frame connections for easier transport of large structures.
-  Easier installation of the door leaf. Temperature distribution in the frame.

TECHNICAL DRAWS OF AS 178HS PRO SLIM SYSTEM

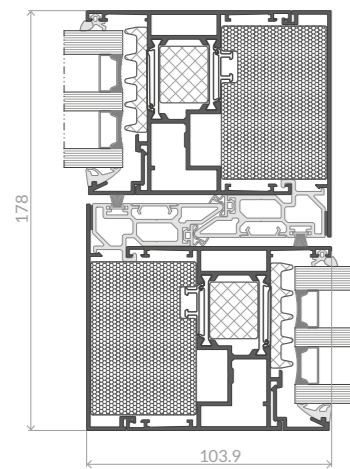
Section through sliding door at floor level



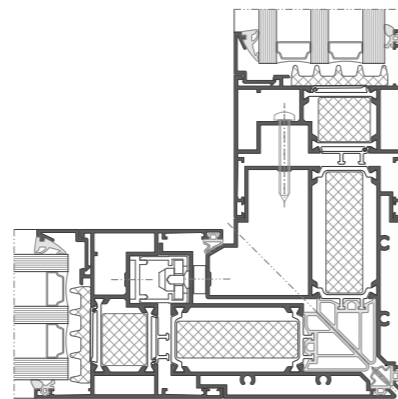
Section through centreline labyrinth



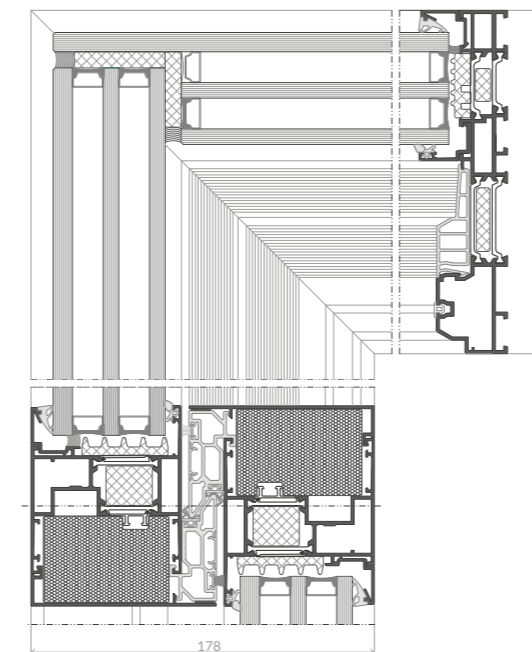
Standard variant



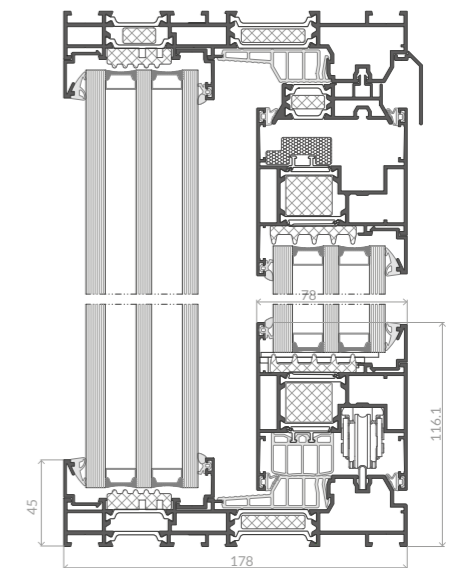
Section through two leaves opening in the corner



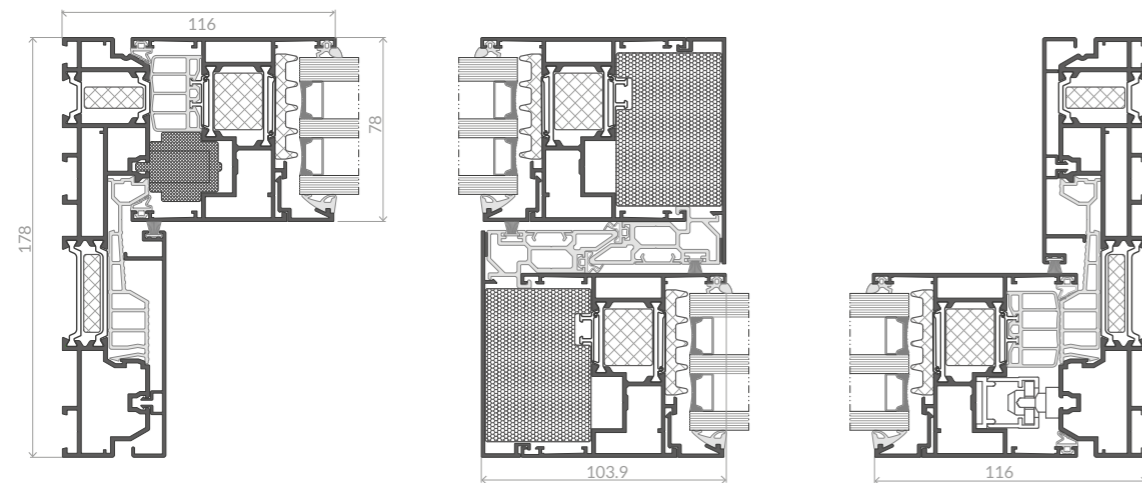
All-glass corner in the AS 178HS system



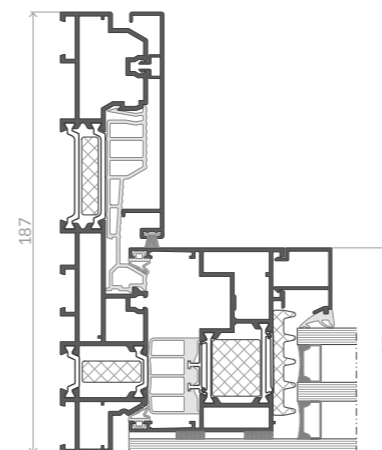
Vertical section - frame with fixed glazing



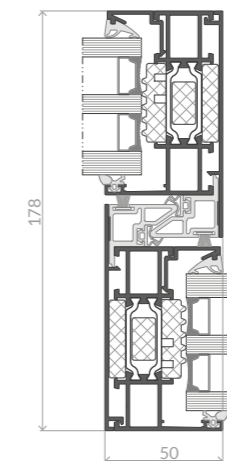
Horizontal section



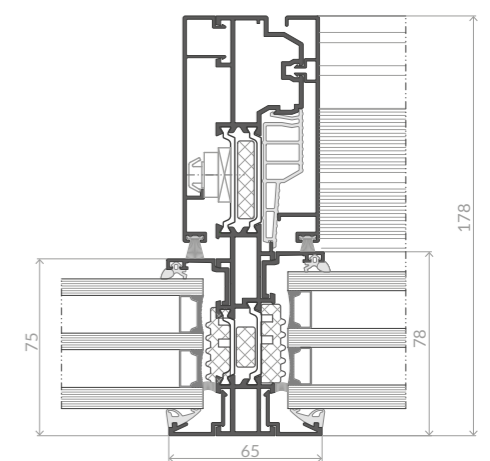
Variant with stepped glazing



Slim-line variant



Combination of AS 75 with AS178HS





VARIETY OF COLOURS ALURON COLOR COLLECTION 2

AR - MAT
Powder coating RAL MAT



AR - FS
Powder coating RAL FS



SELECTED SYSTEM PARAMETERS

from 0.7 W/m ² K	class 4	class E1200	class C3/B3	class RC2	45(-;-7) dB
Thermal insulation Uw	Air permeability	Watertightness	Resistance to wind load	Burglar resistance	Acoustics

SYSTEM CHARACTERISTICS

3300 mm	3300 mm	600 kg	37 mm	59 mm	50 mm
Max. leaf height	Max. leaf width	Max. leaf weight	Min. visible frame width	Max. glazing packet thickness	Narrow mullion
		178 mm	178 mm	278 mm	78 mm
	Installation depth of the double door frame	Installation depth of fixed glazed door frame	Installation depth of three-door frame	The depth of sash	



See our animation!

AM - FS
Powder coating Metallic FS



Qualicoat Class 2

ANODIZED & EFFECT COLORS
AA - C anode colours: C0, C33, C34
AA - R imitation anode - powder coating



AD - MAT
MAT woodgrain decors

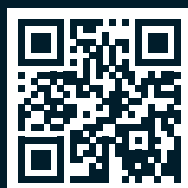


CERTIFIED POWDER COATING QUALITY

Powder-coated surfaces are distinguished by their high resistance to temperature fluctuations, UV radiation or mechanical damage. We offer powder coating in QUALICOAT quality and optionally QUALICOAT SEASIDE for additional corrosion protection.

Surfaces imitating the structure of wood without the use of traditional film (veneer) use modern painting technology based on the phenomenon of sublimation: DECORAL heat transfer. Aluminium profiles are also available in anodised finish.





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