



AS 178HS

lift & slide doors

AS 178HS system combines innovative solutions with modern design, creating next-gen, fully glazed HS doors. The system gives the opportunity to create large, moving patio doors with low and warm threshold. Its structural mechanisms allows for safe and comfortable movmet of sash, both manually and automatically. Hardware from renowned suppliers allows even very heavy sash to be operated with ease.



The **AS 178HS system** works in buildings with large glazing, restaurants, winter gardens, where moving from inside of the room to the outside, ease of use, design and aesthetics plays an important role. A major advantage of this solution is that it does not occupy the surface and fits very well with any interior. The innovative design allows for the highest thermal insulation parameters.

With the **AS 178HS** it is possible to completely cover the frame in a layer of insulation, which highlights the decorative façade and enhance the unique characteristics of the building.

It is possible to create the construction in all schemes available on the market (double or triple-rail design; fully glazed passive sash design, etc.)

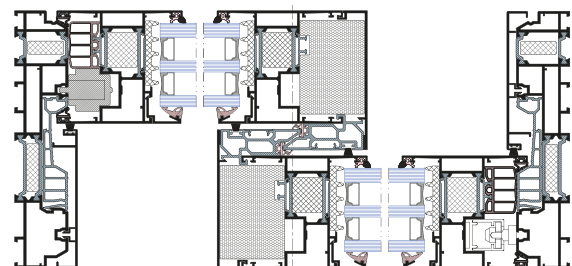
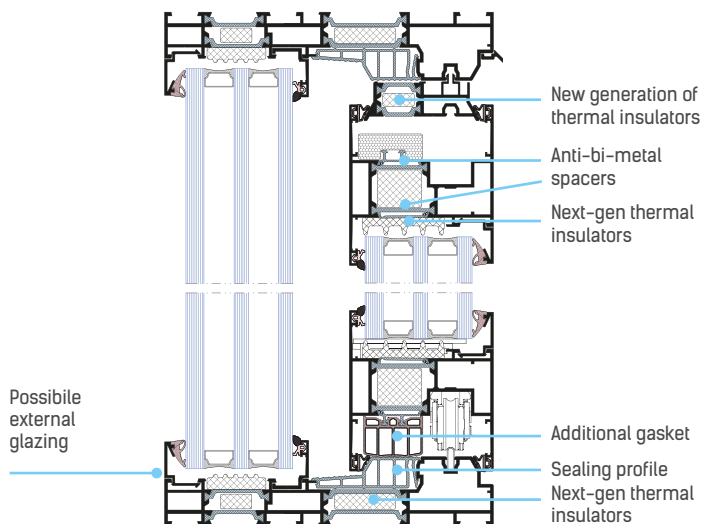
AS 178HS SYSTEM:

- Possible non-threshold design
- Crimped aluminium frames
- Narrow construction profiles
- Large glazing surfaces
- Possibility of glazing from the inside and outside
- Possibility to combine two, three four or six piece construction based on double or triple-rail frame
- Broad range of colours
- Compatibility with other ALURON systems

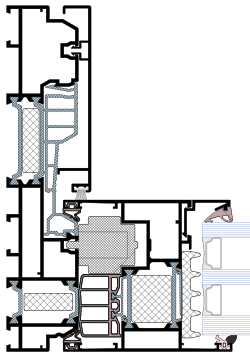
SELECTED FEATURES AND SYSTEM PARAMETERS

Sash depth	78 mm
Glazing thickness	up to 59 mm
Maximum height	3300 mm
Maximum moving sash weight	400 kg
Variant with 90 degrees sash connection angle	YES
Thermal insulation Ud	from 0,7 W/m ² K
Waterproof	E 1350 Pa
Air permeability	IV class
Wind load resistance	C3/B3

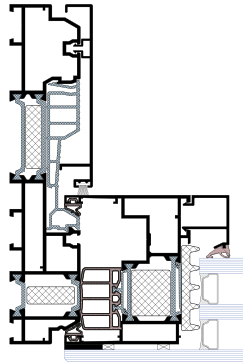
Vertical cross-section - fixed glazed frame



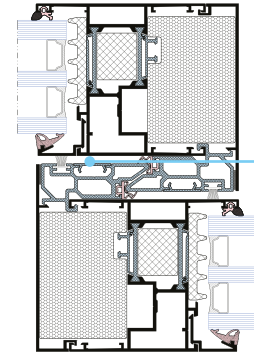
Horizontal cross-section



Default variant

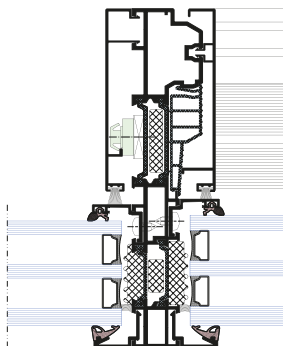


Stepped glazing variant

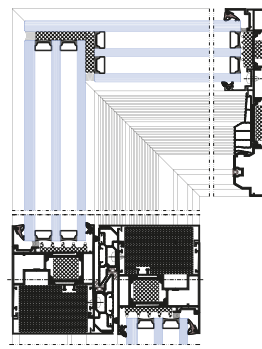


Hidden mounting screw

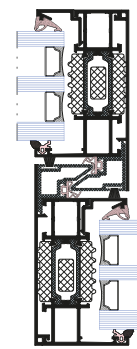
Default variant



Connection AS 75 with 178 HS



Full-glass corner in the AS 178 HS system



Slim-line variant

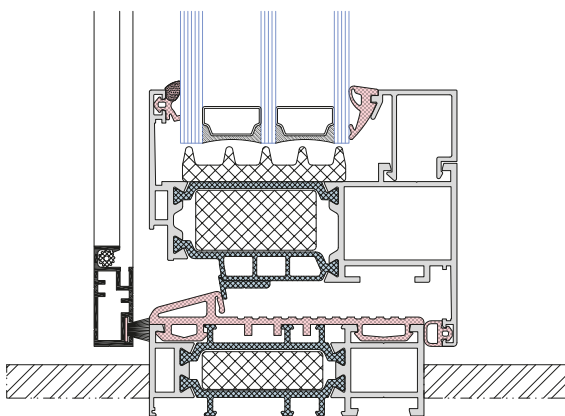
AS M

aluminium insect screens

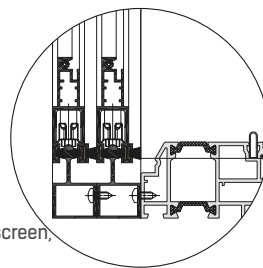
The AS M is a modern system of insect screens providing full protection against insects. The system is compatible with full-aluminium systems, as well as GEMINI. The AS M system allows to produce all insect screens variants available on the market, while maintaining required stiffness.

In the AS M system, following variants are available:

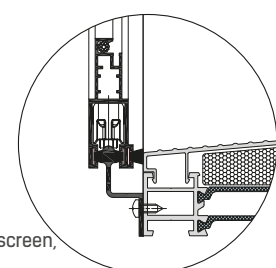
- Insect screen as frame with assembly clips – compatible with AS 75, AS 80US windows
- Insect screen as frame, screwed – compatible with AS 75, AS 80US windows
- Insect screen as frame, opened – compatible with AS 75 balcony door
- Insect screen as frame, sliding – Compatible with AS 178HS sliding door



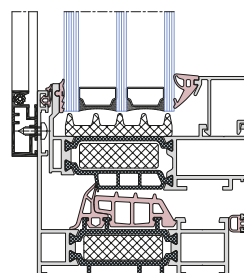
Insect screen for Balcony door



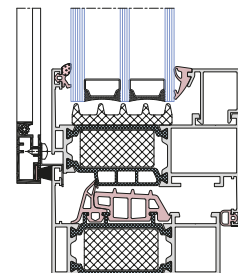
Insect screen, sliding



Insect screen, sliding



Insect screen, screwed



Insect screen with assembly clips