



**ALUMIL**  
ALUMINIUM

**S350**  
INSULATING SLIDING SYSTEM



# S350

INSULATING SLIDING SYSTEM





The new concept in sliding systems.

## Innovative design in minimal lines with exceptional functionality

A new approach in sliding systems in full accordance with the modern architectural trends for soft and straight lines and considerably less visible aluminium frame

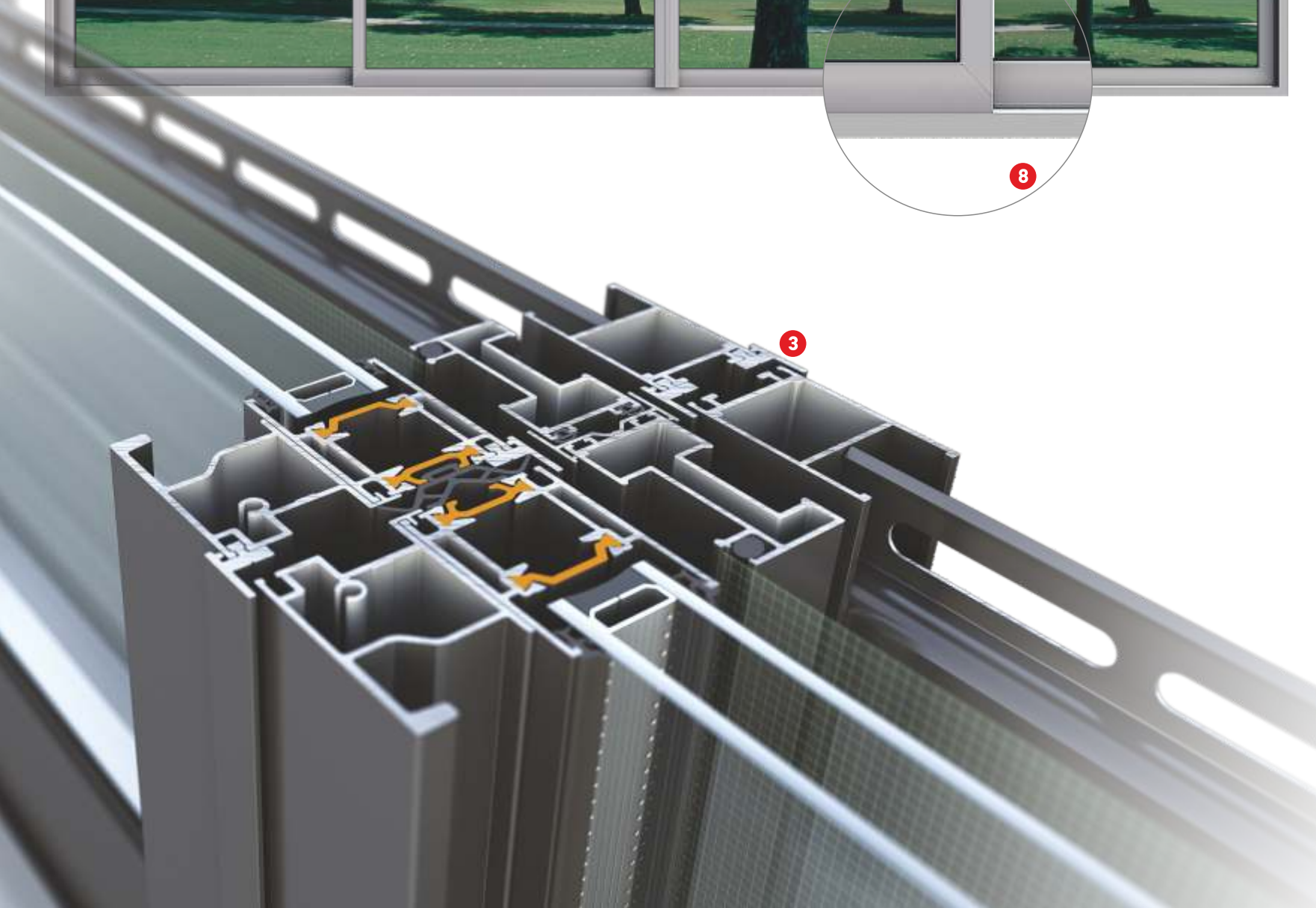
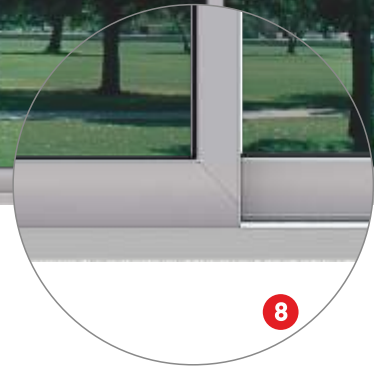
High levels of thermal insulation combined with a great variety of innovative design solutions, make S350 the ideal solution for building modern residences as well as for replacements in existing ones

- Innovative design and minimal aesthetics
- Original solutions of unique style and emphasis to detail
- Profile sturdiness and strength that easily cover the most demanding customers' requirements
- Undoubted construction flexibility and ease
- High level of thermal insulation and outstanding quality
- Unique performance in water/air tightness in its category



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## TECHNICAL CHARACTERISTICS AND CONSTRUCTION DETAILS

### 2 sashes available, S384 and S390, width 35mm

- Perfectly combined with a great variety of different mechanisms.
- They may take mechanical cleat corners.
- A more narrow profile is alternatively used as vertical (50mm) and with the same cleat corner offering a unique aesthetic result.
- Both sashes have chambered sides which improve robustness and strength of the system.
- S390 has special polyamides for expansion-contraction attributes which improve the functionality of dark colored frames in sun-exposed constructions. [1]

### For the tightness of the system

- High efficiency brushes are placed along the perimeter of the sash. [2]

### Aesthetics

- By using a narrow adjoining profile in meeting stiles construction, the visible aluminium frame is reduced by half (or 78mm) achieving uniformity in the appearance of the shutter, the fly-screen and the sash. [3]

### Sliding

- Rollers are specially designed with a thermal-insulating additionally part which does not influence the thermal insulating properties of the window. At the same time they can lift weight up to 60kg (120 kg for the sash). [4]
- Rollers move on inox drivers for silent and unobstructed scrolling. [5]

### Water drainage system

- Special profile for hiding the guide drainage channel and improving overall appearance. [6]
- Increased outflow of water due to the formed chamber in the railway profile. [7]

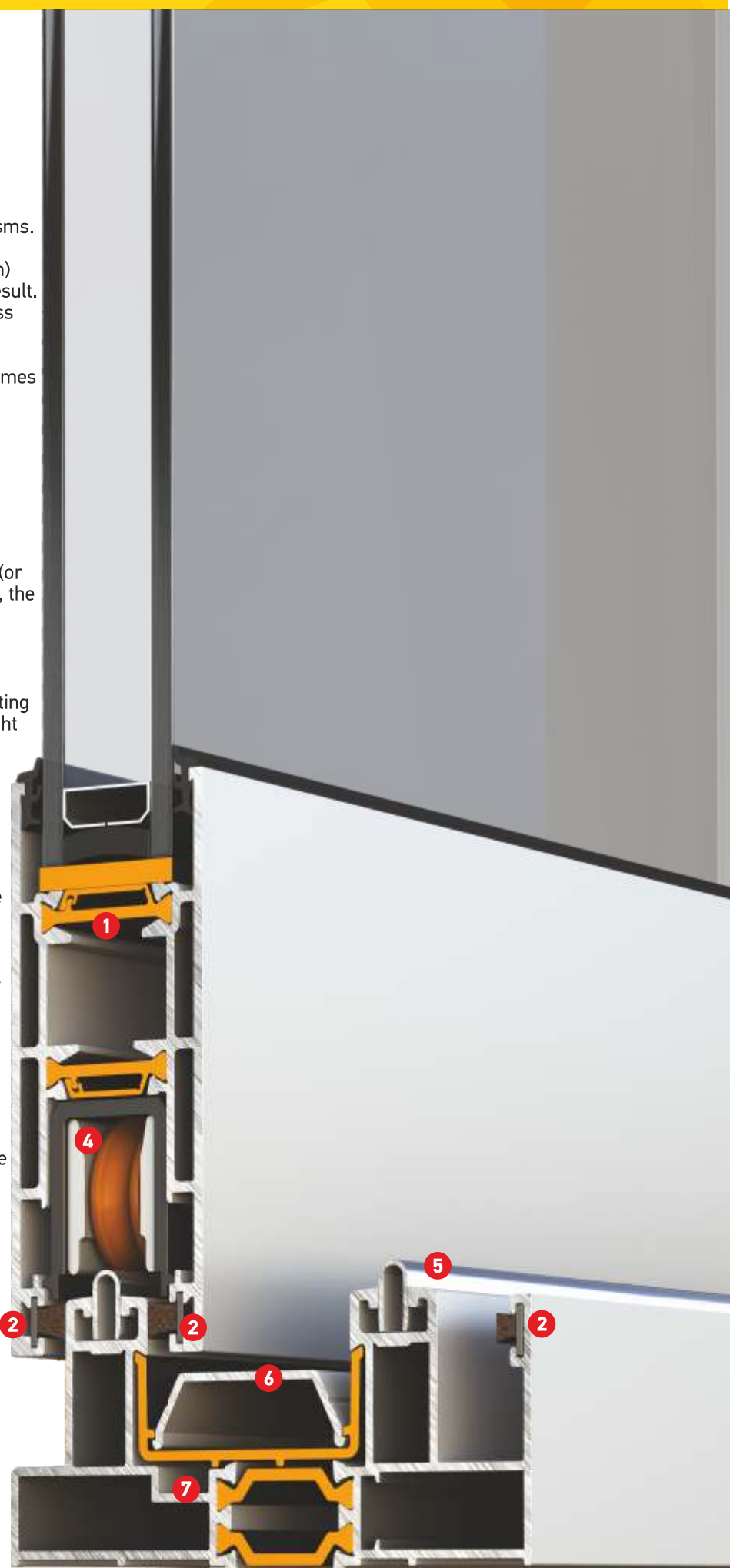
### Profile assembly

- At all points where the standard profile joins with the narrow one, there is combination of 45° and 90° cuttings. [8]
- The same cleat corner is used as with the regular profile connection, providing equivalent performance.
- Less machining.
- Innovative design.

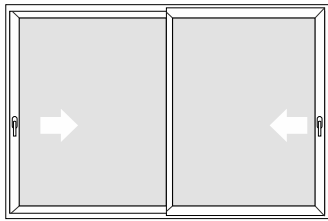
### Security

- S350 works together with all the mechanisms available in the market simultaneously offering the possibility of multi-lock points

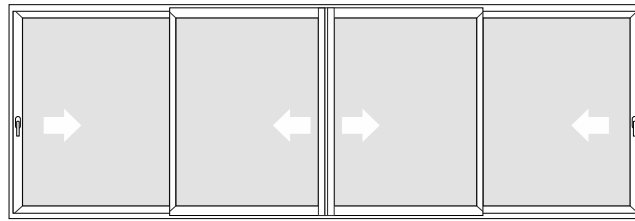
Sash width	35 mm
Frame wing height	38 mm
Sash height (rail)	85 mm
Interlocking profile width	50 mm
Thermal insulation with polyamide	24 mm
Sash weight	up to 120 kg
Glass Thickness	up to 26 mm
Multi-lock system	
Thermal insulation EN ISO 10077 2	Uw=2,02 W/m²K



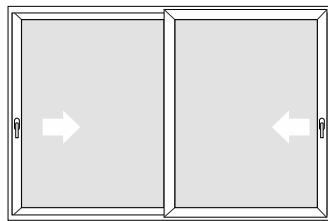
## IMPLEMENTATION OF ALL SLIDE SYSTEMS TYPOLOGIES



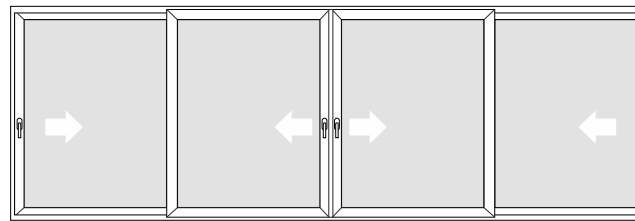
Two sash parallel with narrow interlocking profile Minimal



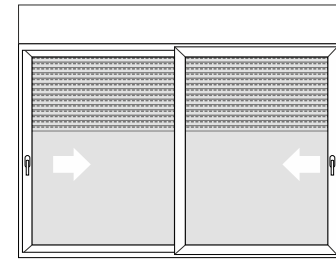
Four sash parallel with narrow interlocking profiles and minimal face



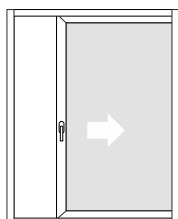
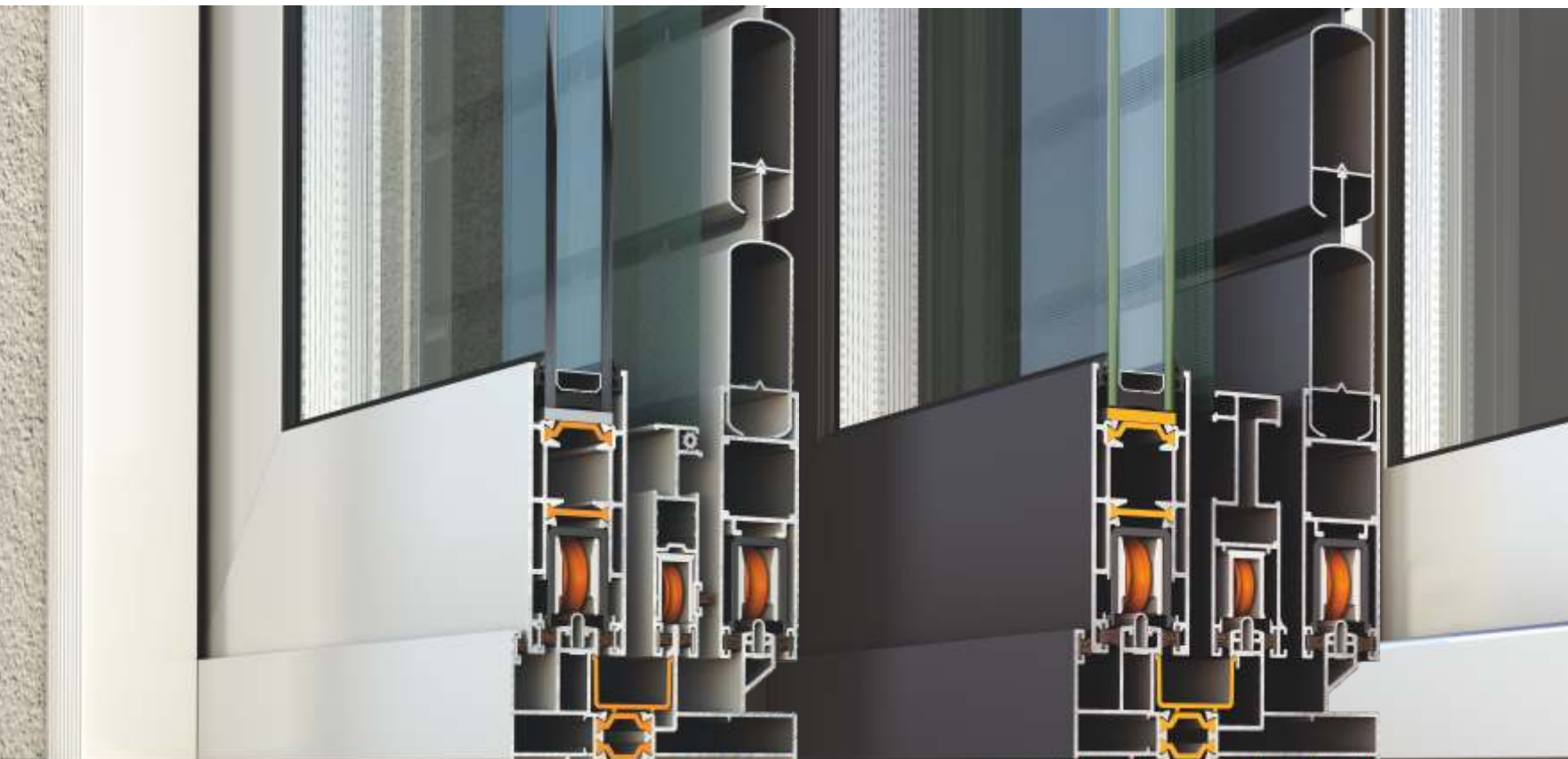
Two sash parallel



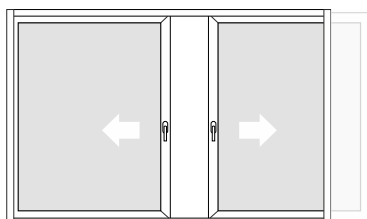
Four sash parallel with regular profiles



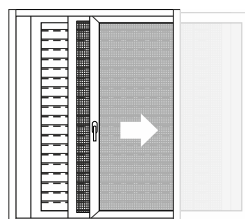
Two sash parallel with rolling shutter



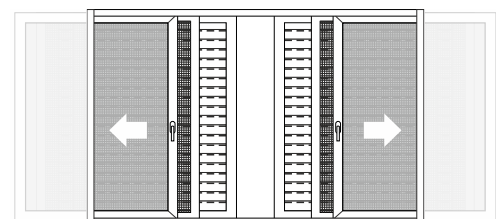
One sash pocket



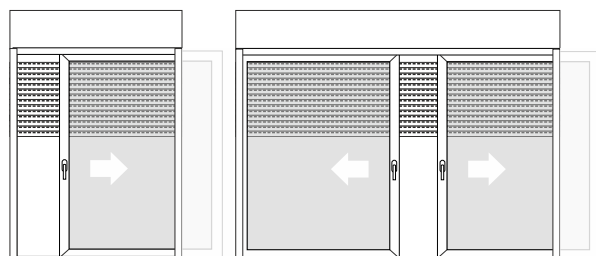
Two sash pocket



One sash pocket with fly-screen and shutter

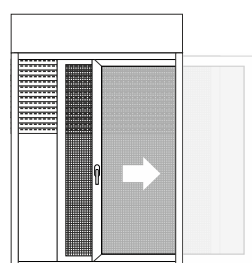


One sash pocket with fly-screen and shutter

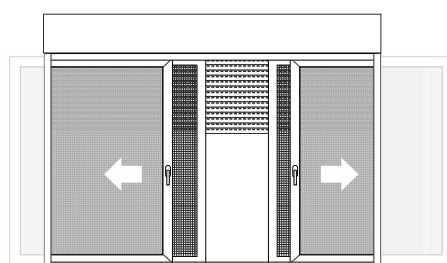


One sash pocket with rolling shutter

Two sash pocket with rolling shutter



One sash pocket with fly-screen and rolling shutter



Two sash pocket with fly-screen and rolling shutter





## Soft, straight lines and up to 50% reduction of the visible aluminium frame

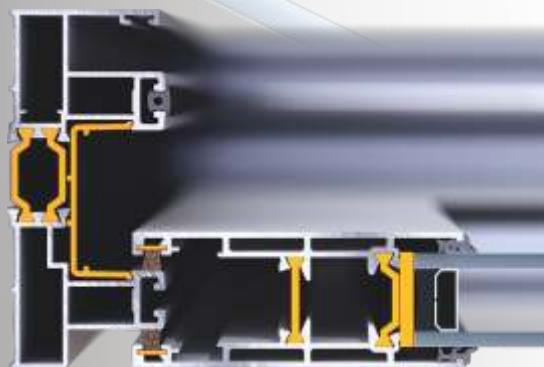
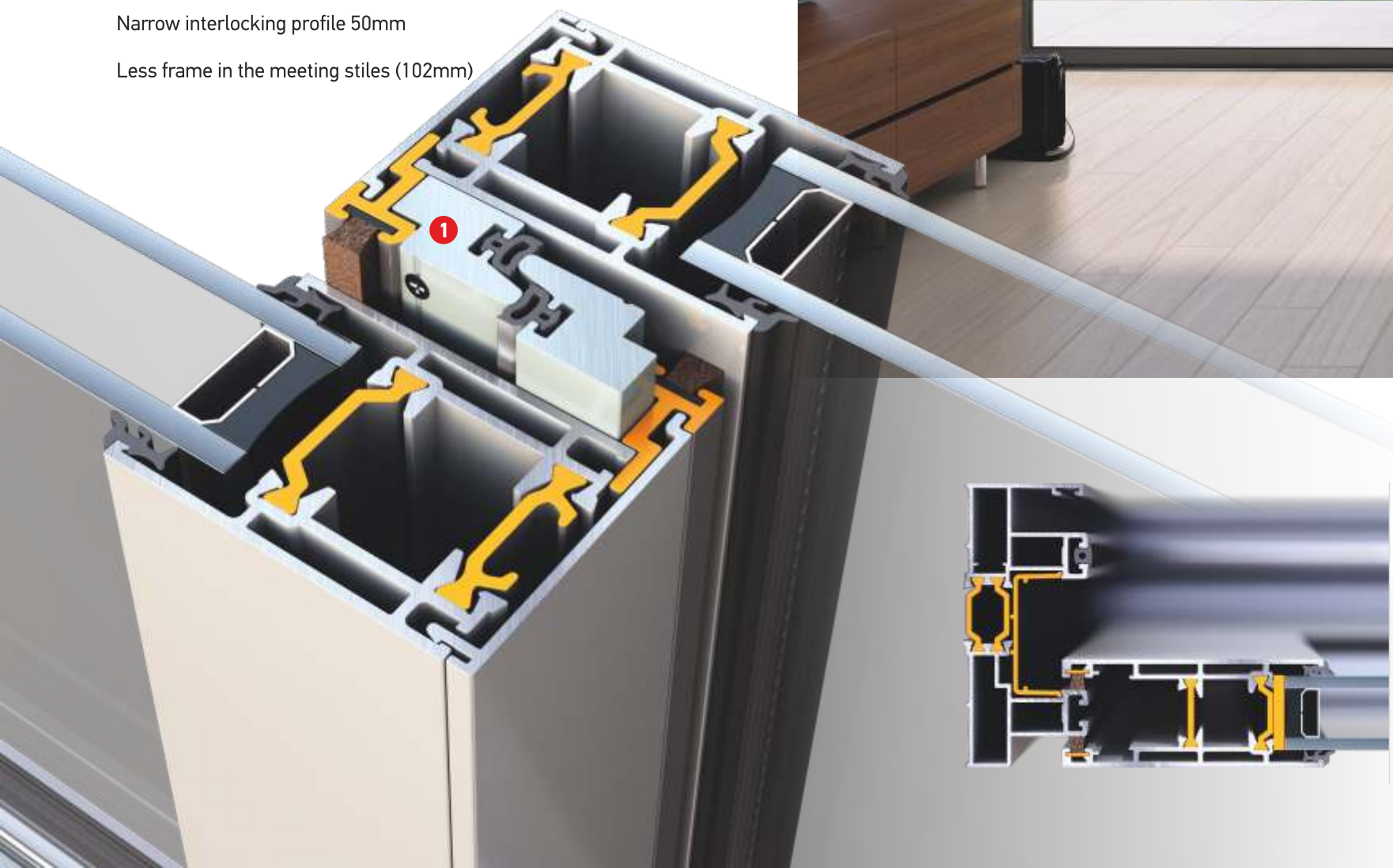
The minimal version of S350 series has been mainly designed to meet the modern architectural trends which demand less visible aluminum frame and greater visibility

Without compromising in functionality or system credibility, the innovative solutions given in both the interlocking point and the meeting stiles, contribute to an impressive reduction in profile dimensions, making S350 unrivalled in terms of aesthetics.

The special accessory used at the interlocking point [1] increases significantly the security level of the parallel constructions, which are usually vulnerable at this point. Improved strength and resistance to wind load in the middle of construction. The accessory has a slot for gasket providing a unified sealing zone.

Narrow interlocking profile 50mm

Less frame in the meeting stiles (102mm)



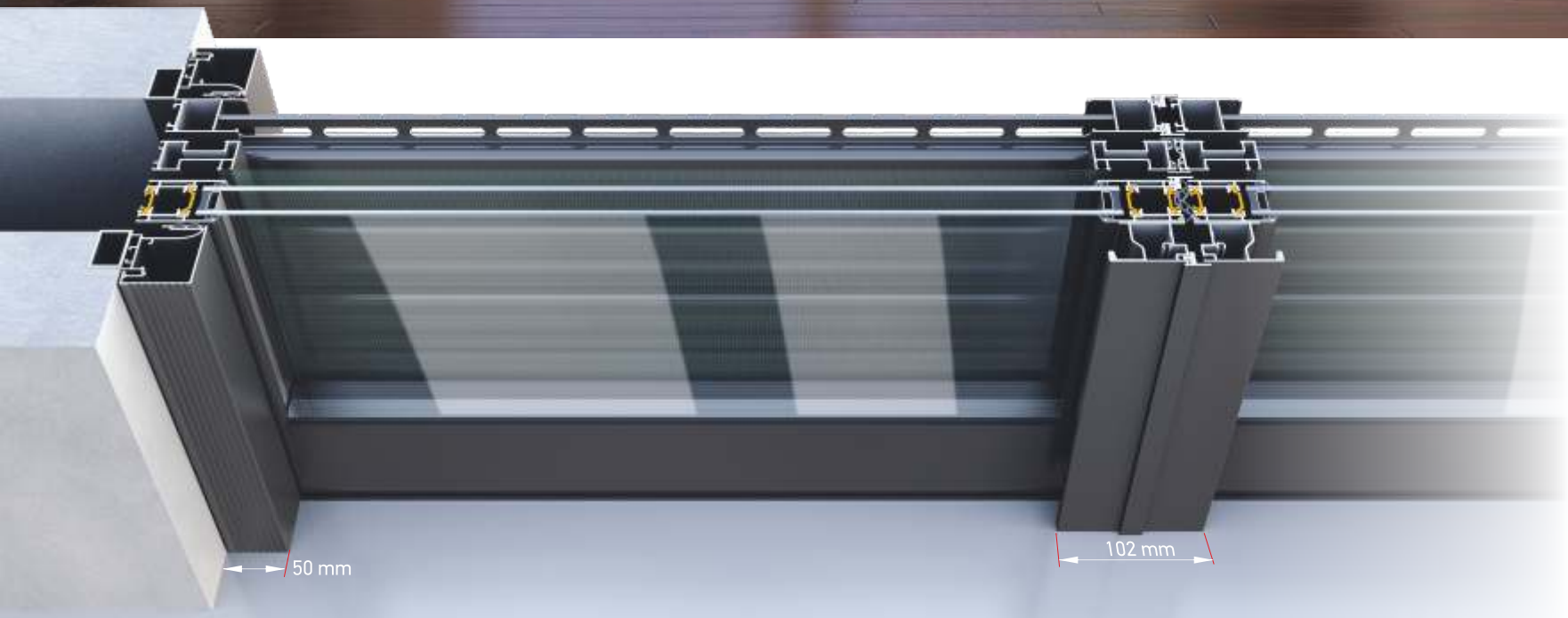






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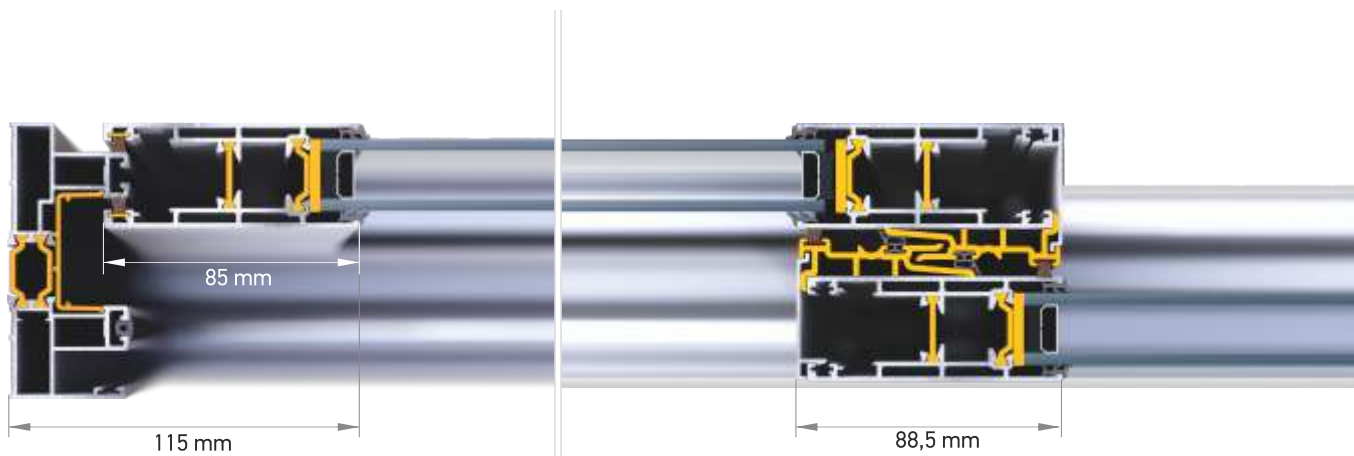


In two sash pocket slide windows, applying the narrow sash profiles to all vertical positions, the visible aluminium frame is limited to the minimum.

Thus, the overall profile width is 65mm on the sides and 102mm in the middle.



The highest level of thermal insulation  
in its category.

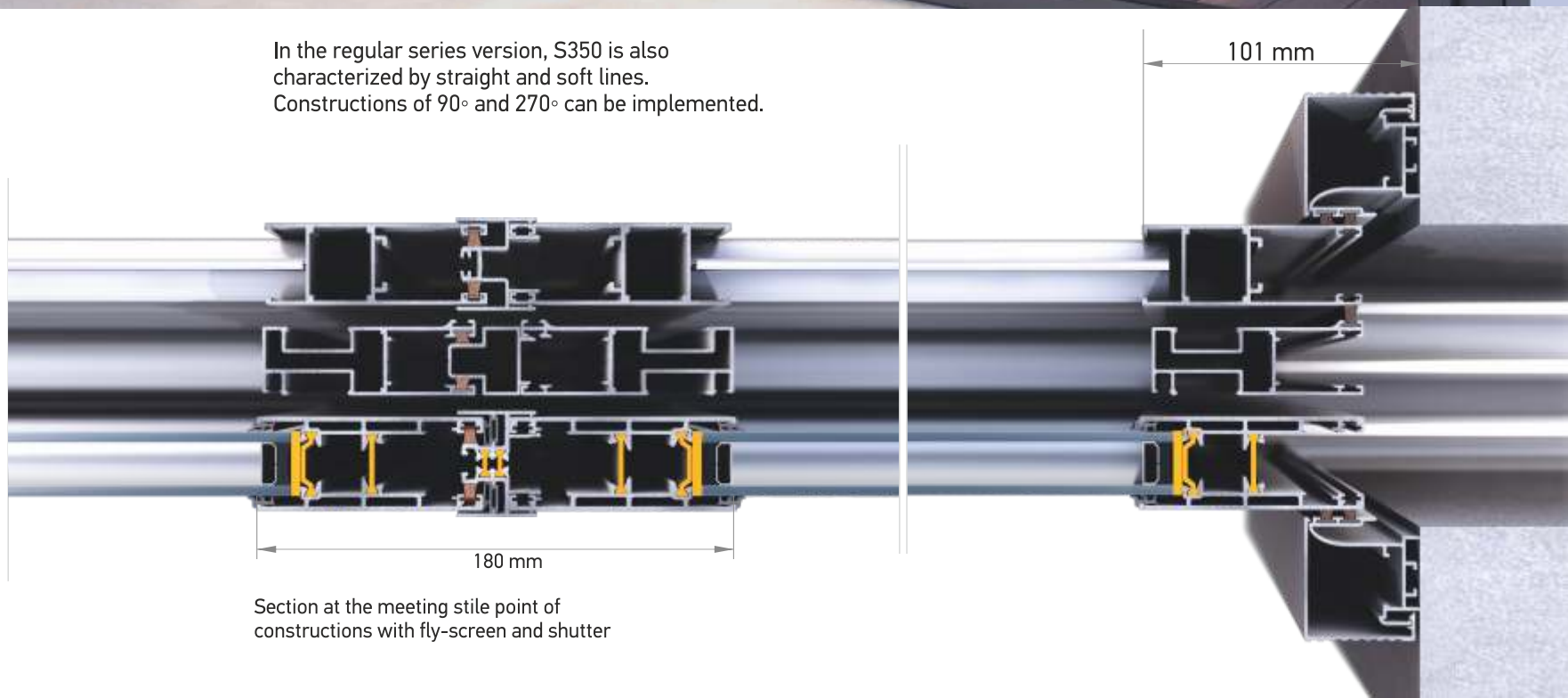


Section at the interlocking point.





In the regular series version, S350 is also characterized by straight and soft lines. Constructions of 90° and 270° can be implemented.



Section at the meeting stile point of constructions with fly-screen and shutter

## Ideal solution for replacements

Ideal for replacements

It requires only 106mm for sash with fly-screen and shutter

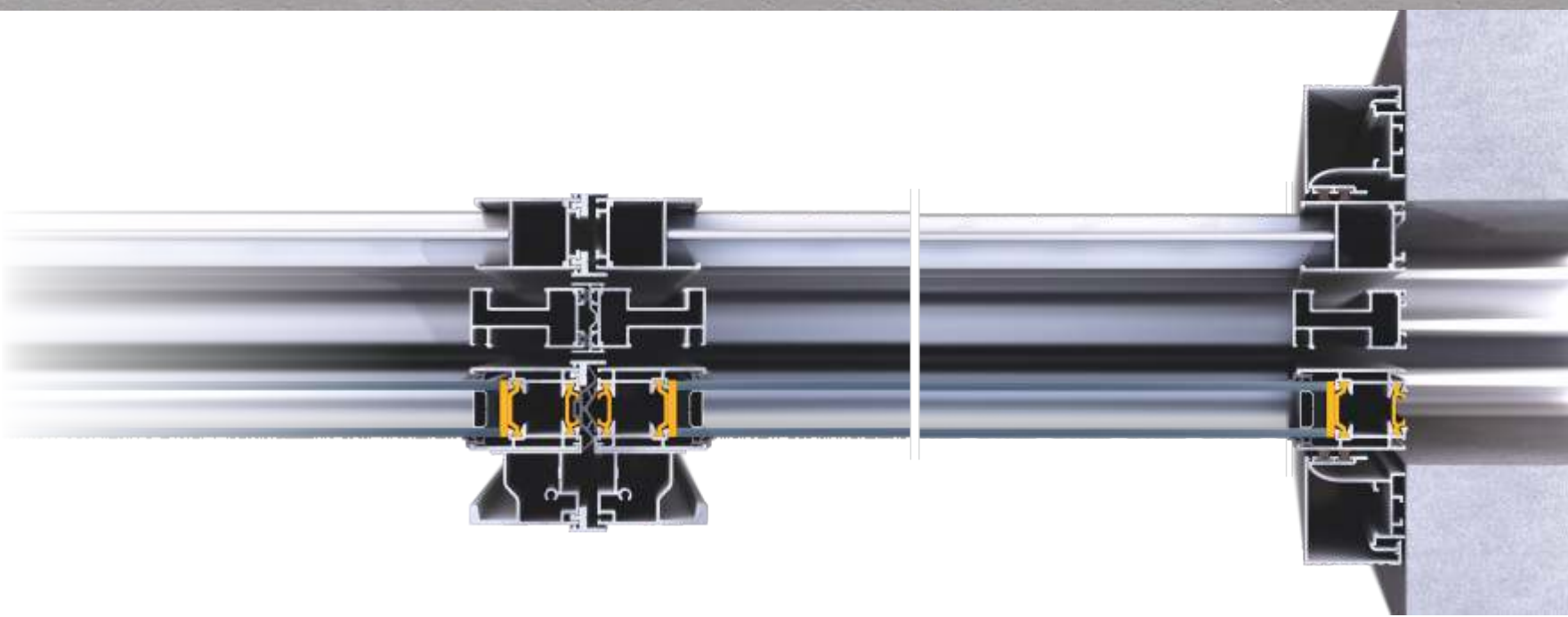
Existing casings can be more easily replaced without serious interventions in the existing masonry.

Possibility to choose between two different guides when glass with fly-screen and shutter (width 106 mm and 113,5 mm respectively)

106 mm









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