

SMARTIA S350

www.alumil.com



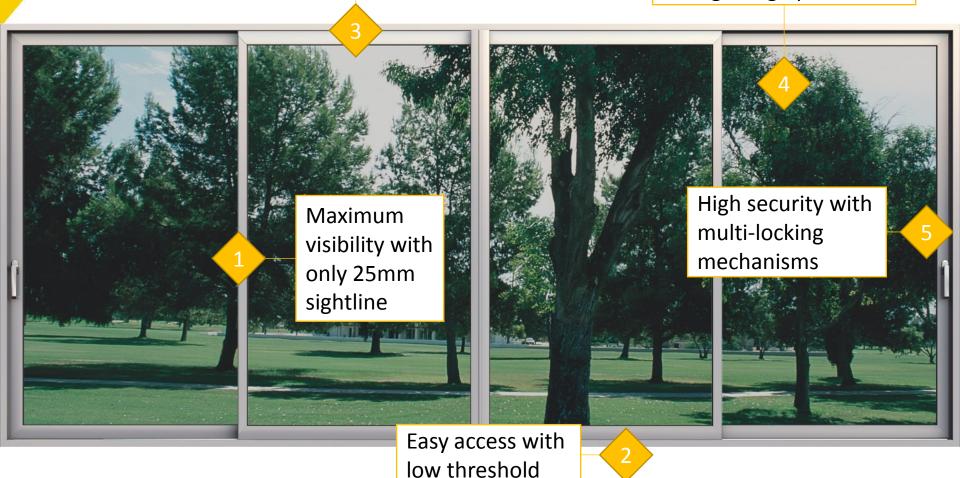






Energy & cost saving thanks to the thermally insulated profiles

Higher sound reduction with glazing up to 28mm

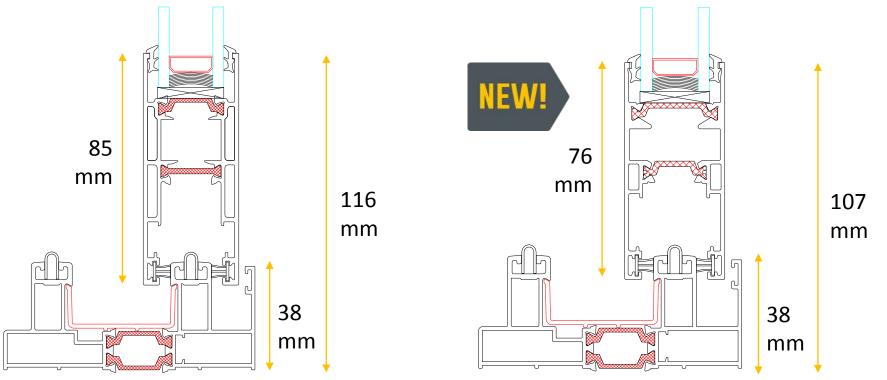












Standard sash 85mm

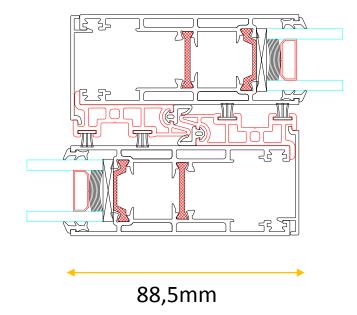
Lower sash 76mm

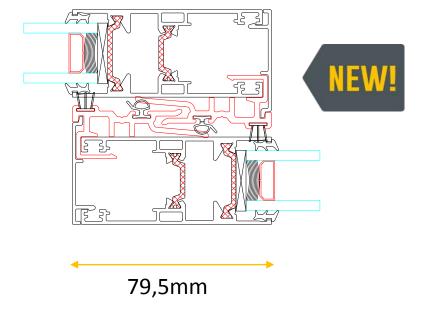






Standard interlocking profile



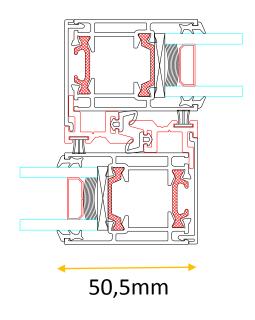


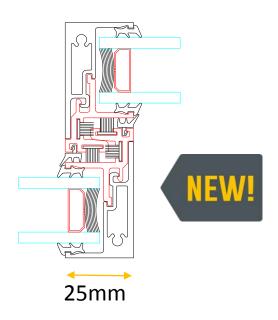






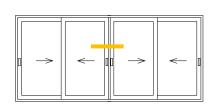
Narrow interlocking profile



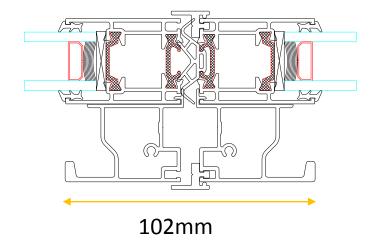


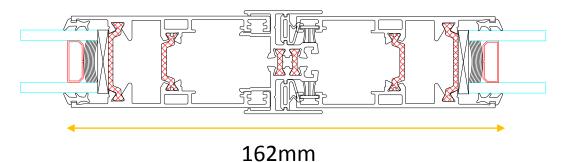






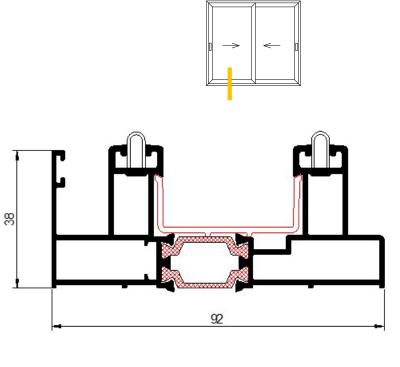
Adjoining profile







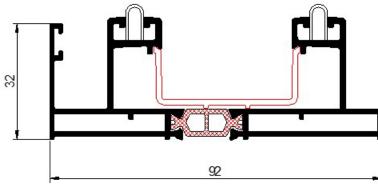




Easy & safe access

- Standard frame 38mm
- Alternative use of low frame32mm ideal for renovations
- The only change is the height of the chambers
- All sashes are applicable with both frames

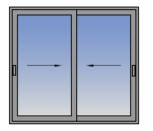




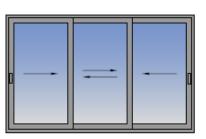




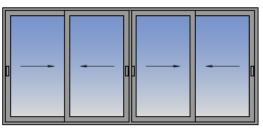
Available typologies



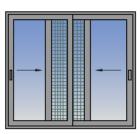
Double horizontal sliding sash



Triple horizontal sliding sash



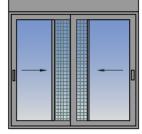
Four horizontal sliding sashes meeting stile



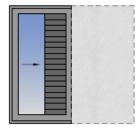
Double horizontal sliding sash with fly-screen



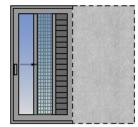
Four horizontal sliding sashes meeting stile with fly-screen



Double horizontal sliding sash with fly-screen & rolling shutter



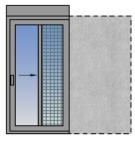
Single horizontal sliding pocket sash with shutter



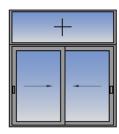
Single horizontal sliding pocket sash with fly-screen & shutter



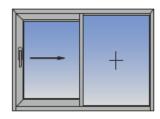
Double horizontal sliding pocket sash with fly-screen & shutter



Single horizontal sliding pocket sash with fly-screen & rolling shutter



Double horizontal sliding sash with fanlight



Single horizontal sliding sash with fixed light





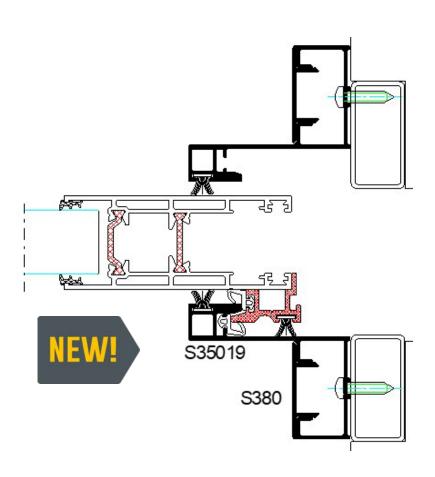
Pocket typologies

- Sash slides into the wall cavity
- Ideally combined with sliding flyscreen & shutter







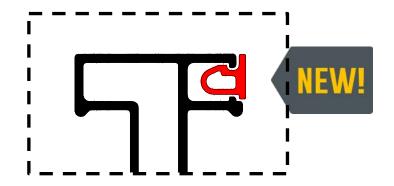


Pocket typologies

- Updated pocket cover profile that creates a hook with the pvc profile
 - Improved sealing with 2 rows of gaskets and brushes
 - Improved thermal insulation between wall and sash
 - Improved aesthetics between wall and sash









Flyscreen

Two types of flyscreens for standard sash:

- Heavy duty S490
- Light M868

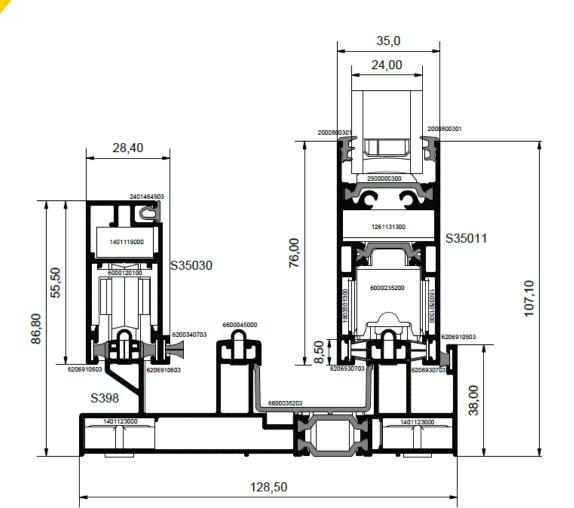
PVC accessory to hold the insect screen fabric for:

- ✓ High aesthetics
- ✓ Improved fabric stretch

Available in 3m bars



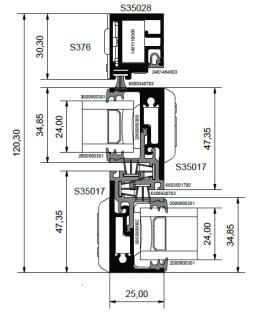




Flyscreen

Flyscreens for lower sash:

- Heavy duty \$35030
- Narrow interlocking 25mm S35028









Rolling shutter

- Ideally combined with rolling shutter system M13800
- Unified thermal insulating zone
- Special design for pocket sliding typologies to easily visit & repair the rolling shutter





Certifications

1	Air permeability EN 1026, EN12207	CLASS 4
	Watertightness EN 1027, EN 12208	CLASS 7A
	Resistance to wind load EN 12210, EN 12211	CLASS C2/B3
th	Thermal Insulation EN 10077-2	U _f from 2,9 to 4,8 W/m ² K
	Sound reduction EN 14351, EN 717	Rw (C;Ctr) = 28 (-1;-1)dB

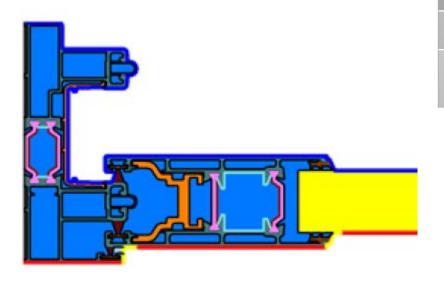








Thermal Insulation



	Ug = 1,3	Ug = 1,1	Ug = 1,0
U _w	1,89	1,73	1,66

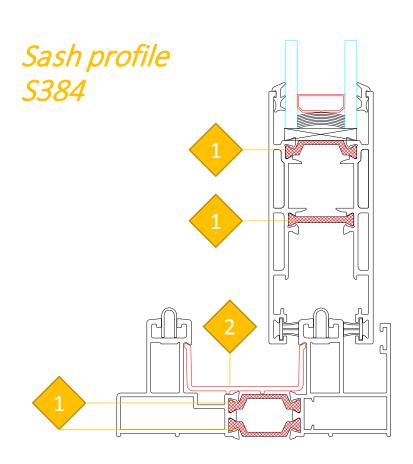
For a 2-sash typology 3,00m x 2,20m (W x H) and psi = 0,036











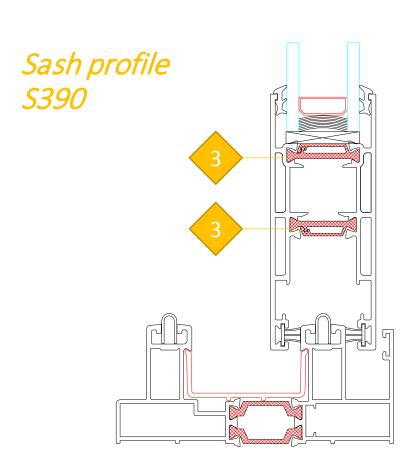
Energy & cost saving

Thermal insulated profiles

- Fiberglass reinforced polyamides 24 & 22 mm width
- 2. PVC profiles perimetrically of the frame (same for standard and low frame)







Energy & cost saving

Thermal insulated profiles

Alternative use of sash with anti-distorsion fiberglass reinforced polyamides 24 mm width ideal for dark frames (reduces banana effect due to high temperature differences)





Sash profile *S35013*

Energy & cost saving

Thermal insulated profiles

4. Alternative use of smaller sash with fiberglass reinforced polyamides 30 & 22 mm width





Sash profile *S35011*

Energy & cost saving

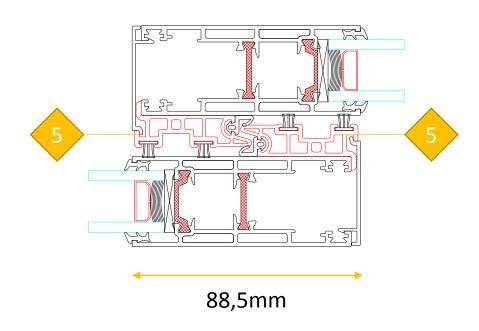
Thermal insulated profiles

4. Alternative use of smaller sash - compatible with narrow interlocking profile 25mm - with fiberglass reinforced polyamides 30 & 22 mm width





Interlocking profile 5384, 5390



Energy & cost saving

Thermal insulated profiles

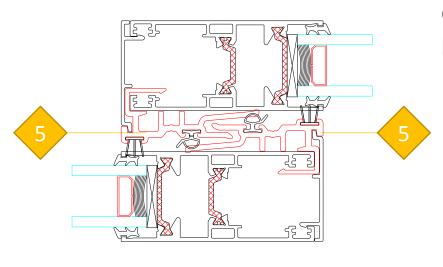
PVC profiles at the interlocking profile

Compatible with sash profiles S384, S390





Interlocking profile \$35011, \$35013



79,5mm

Energy & cost saving

Thermal insulated profiles

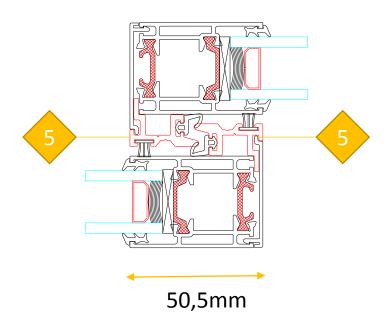
PVC profiles at the interlocking profile

Compatible with sash profiles \$35011, \$35013





Interlocking profile \$356



Energy & cost saving

Thermal insulated profiles

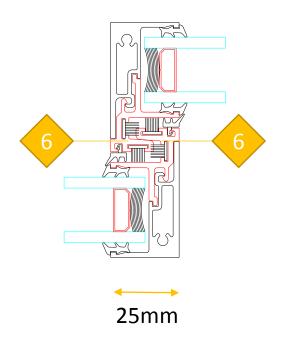
PVC profiles at the narrow interlocking profile

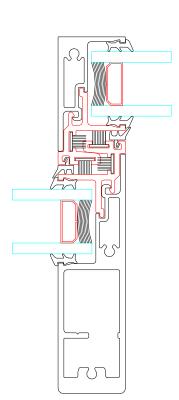
Compatible with sash profiles S384, S390





Interlocking profile \$35017, \$35027





Energy & cost saving

Thermal insulated profiles

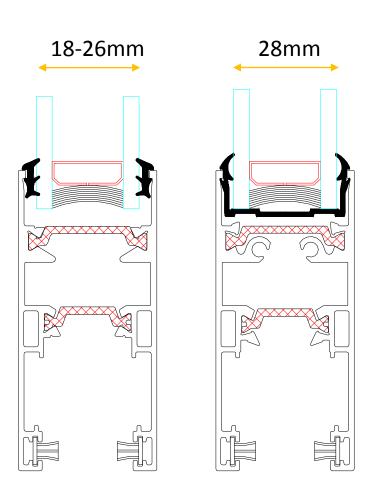
5. PVC profiles at the narrow interlocking profile

Available as an accessory & easily placed by the fabricator

Compatible with sash profile \$35011







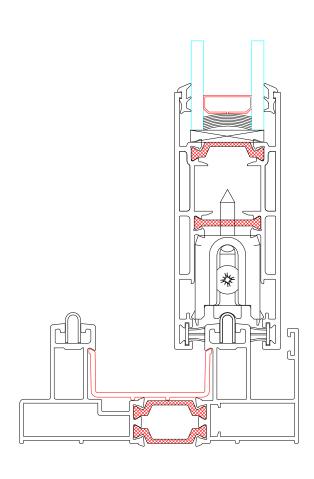
Glazing

2 types of double glazing with the use of:

- Wedges up to 26mm glazing thickness
- 'U shape' gasket up to
 28mm glazing thickness
- Analytical glazing list available at the system's technical catalog

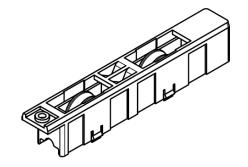


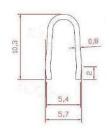




Gliding

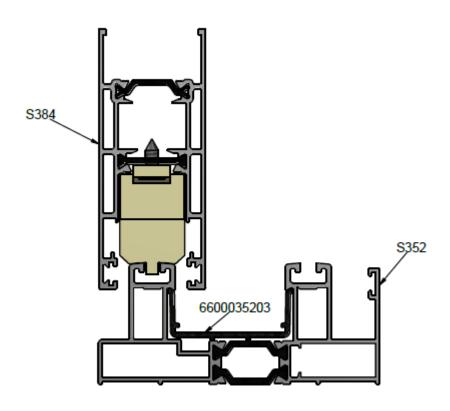
- Double rollers with maximum weight up to 180 Kg per sash
- Adjustable rollers for easier installation & maintenance
- U-type stainless steel rail











Fixed lights

- Use of special spacers fixed at the bottom of the sash
- Available for all sash profiles

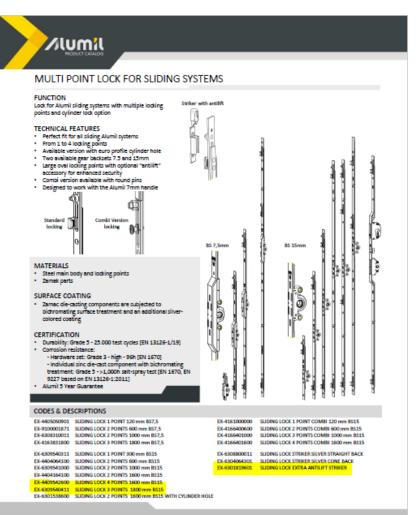


Functionality & credibility



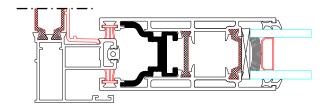


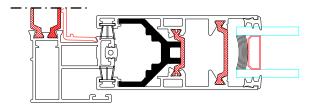




Locking mechanism

- Multi-point lock
- Wide range of locks from 300 mm sash height (developed specific for ALUMIL)









∕≀lumil

CERTIFICATION DATA SHEET

MULTI POINT LOCK INOX WITH HOOKS FOR SLIDING SYSTEMS

FUNCTION

Sliding lock with stainless steel faceplate and hooks for Alumil sliding systems with multiple locking points and cylinder lock option

TECHNICAL FEATURES

- · Single-point, two-point or three-point lock
- configurations
- Hook bolt design draws the door closed against the · Hook bolts ensure the highest security by not
- allowing sash to be lifted out of the guide rails
- Integrated mishandling device (WOSD) prevents crushing bolts on strikers
- Anti-pick security feature
- . A version with cylinder hole is available for enhanced security
- Works with Alumil 7mm handles

MATERIALS

- Stainless steel faceplate
- Stainless steel hooks
- Die cast Zinc alloy mechanism with stainless

SURFACE COATING

Brushed stainless steel

CERTIFICATION

Alumil 5 Year Guarantee

CODES & DESCRIPTIONS

EX-6300990100 SUDING LOCK 1 POINT 150 mm BS15 WITH HOOKS INOX EX-6300990200 SUDING LOCK 2 POINTS 600 mm BS15 WITH HOOKS INOX

EX-6300990300 SLIDING LOCK 3 POINTS 1000 mm BS15 WITH HOOKS INOX EX-6300990400 SUDING LOCK 3 POINTS 1000 mm BS15 WITH HOOKS INOX WITH CYLINDER HOLE EX-6300111300

SLIDING LOCK WITH HOOKS STRIKER INOX

Locking mechanism

- Multi-point lock with hooks
- Available only for standard sash 85mm

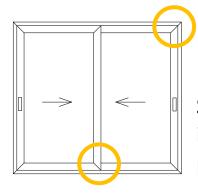






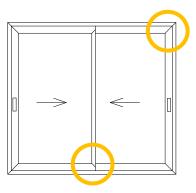
1

2



Standard interlocking profile

Narrow interlocking profile 50,5mm



Sash assembly

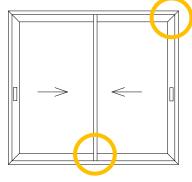
- Sash 45° connection perimetrically
- Compatible with all sash profiles
- Sash 45° connection
- Interlocking profile 45°/90° connection
- Compatible only with sash profiles S384 & S390



AlumilFunctionality & credibility

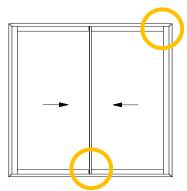


3



Narrow interlocking profile 25mm

Standard or Narrow interlocking 25mm with 28mm glazing

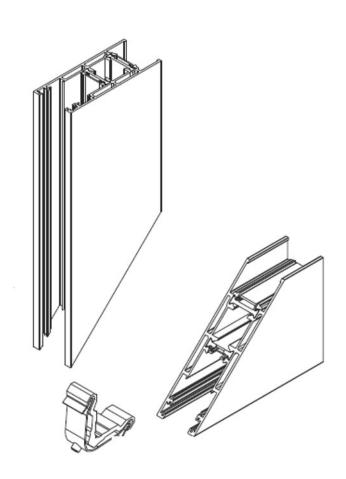


Sash assembly

- Sash 45° connection
- Interlocking profile 90° connection
- Compatible only with sash profile S35011
- Sash 90° connection
- Interlocking profile 90° connection
- Compatible only with sash profile S35011

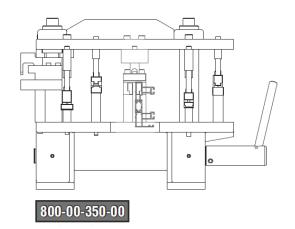






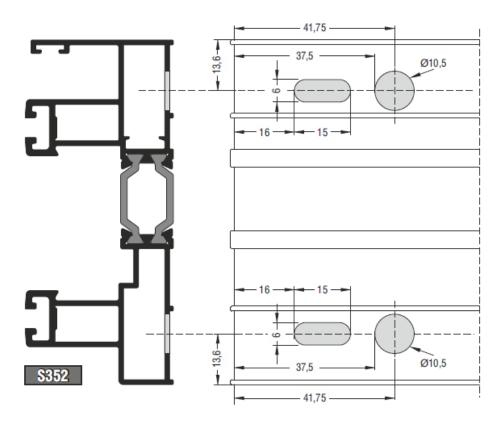
Sash assembly

- Sash 45° connection with mechanical corners
- Punching machine for mechanical corners treatment



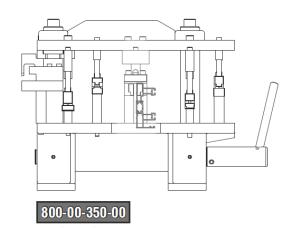






Frame assembly

- Standard frame 45° connection with mechanical corners
- Punching machine for mechanical corners treatment

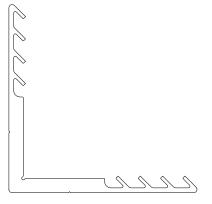






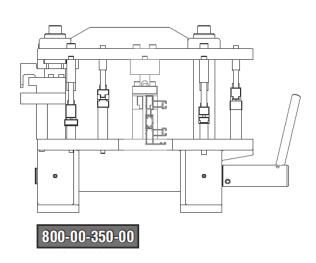
Frame assembly

- Low frame 45° connection with force fitting corners
- New patented corner design by Alumil
- No treatment needed



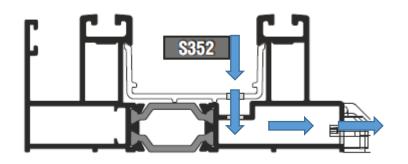






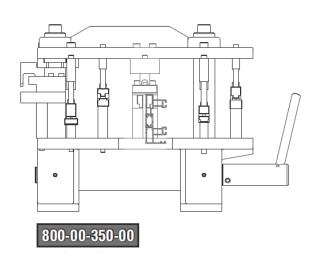
Water evacuation

- Standard frame
- The water follows its way out through the chamber of the frame
- Punching machine for frame's weep holes treatment



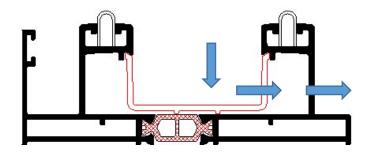






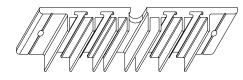
Water evacuation

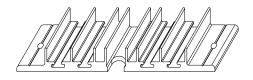
- Low frame
- The water follows its way out through the rail wing
- Existing punching machine can be used for frame's weep holes treatment





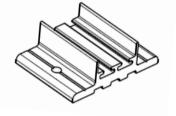






Standard interlocking profile





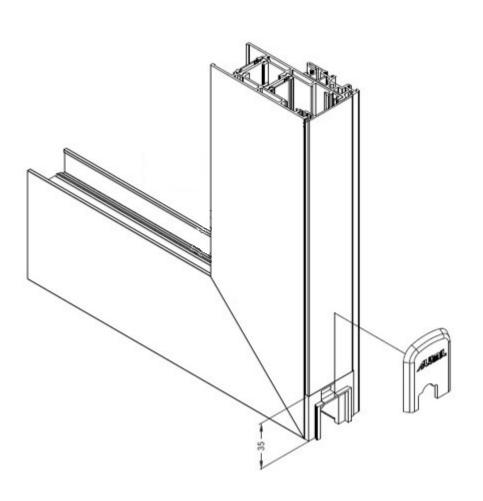
Narrow interlocking profile 25mm

Central sealing

- Set of elastic central seals for the upper & bottom frame
- Same accessories used for the standard and low frame





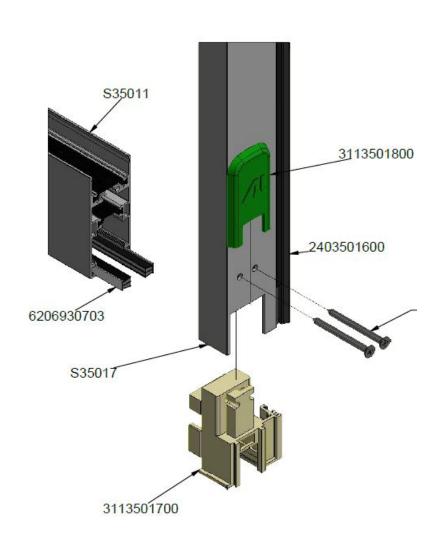


Interlock assembly

- Special design of end caps when the same sash is used perimetrically
- No treatment needed for the cover of the interlocking profile
- Straight cut of the cover profile
- Easier and faster fabrication





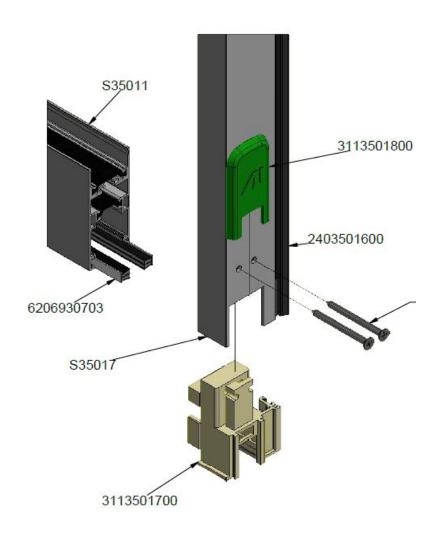


Interlock assembly

- Special design of end caps when the narrow interlocking profile 25mm is used
- The caps are also connectors between the interlocking profile & the horizontal sash
- No treatment needed for the horizontal sash

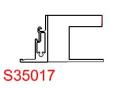


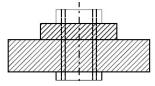


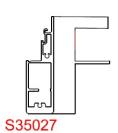


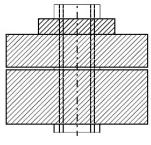
Interlock assembly

- Milling tool available
- Same tool with an add-on accessory for the reinforced interlocking profile













Machinings's guide

	S350 old	\$350 new
Sash's Corner machining	Yes	Yes
Frame's Corner machining	Yes	No
Standard interlocking Profile's machining	No	No
Narrow interlocking Profile's machining	No	Yes



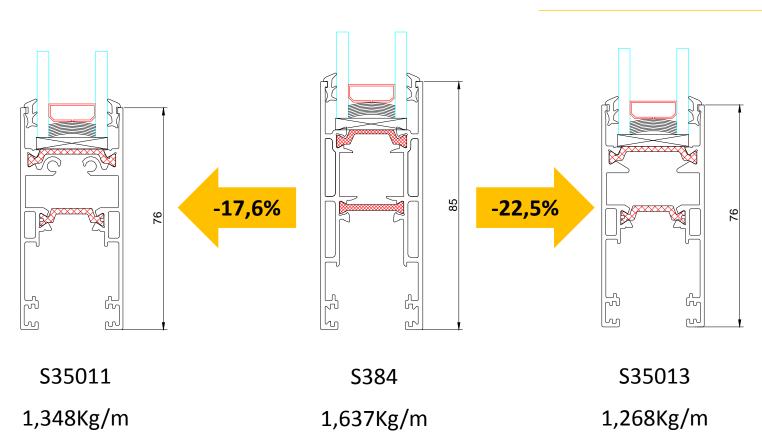








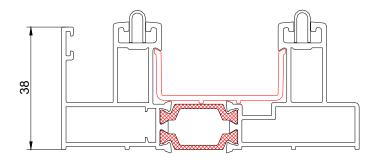
Sash

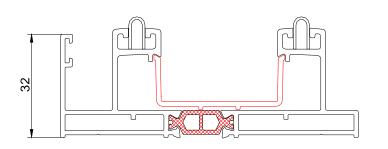






Frame





S352 1,610Kg/m



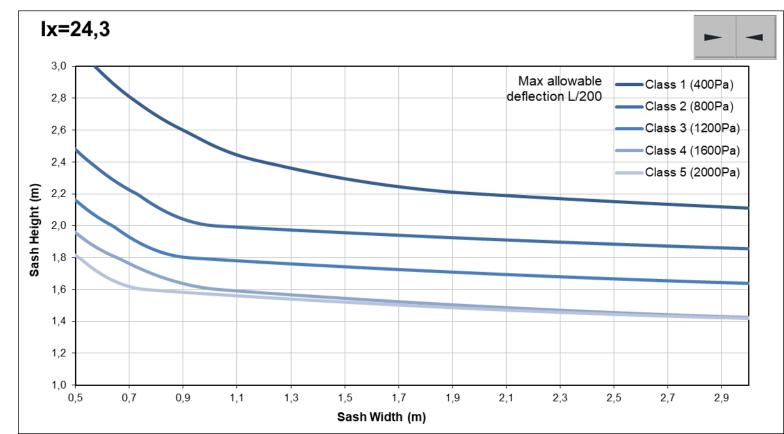
S35352 1,363Kg/m





Maximum dimensions



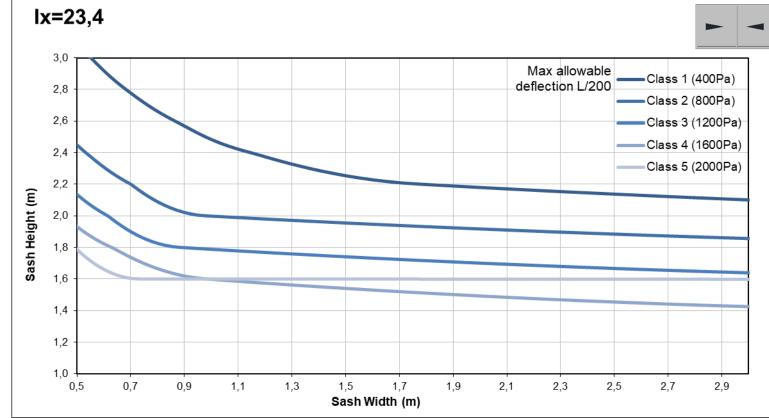






Maximum dimensions



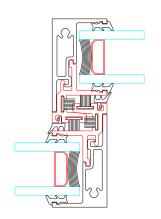


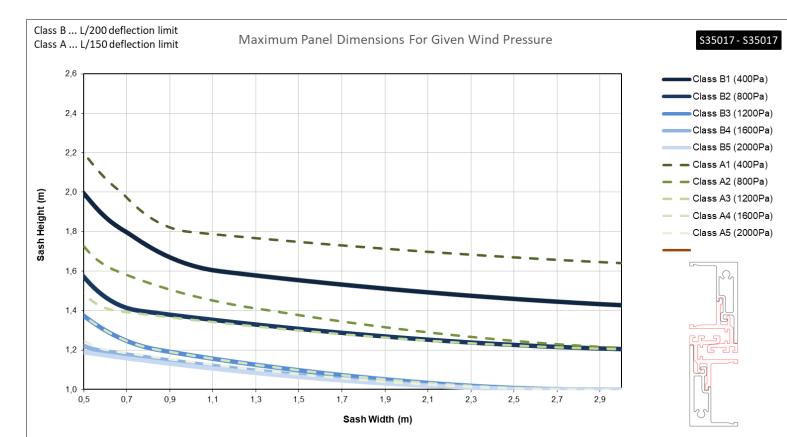




Maximum dimensions

1x=6,4



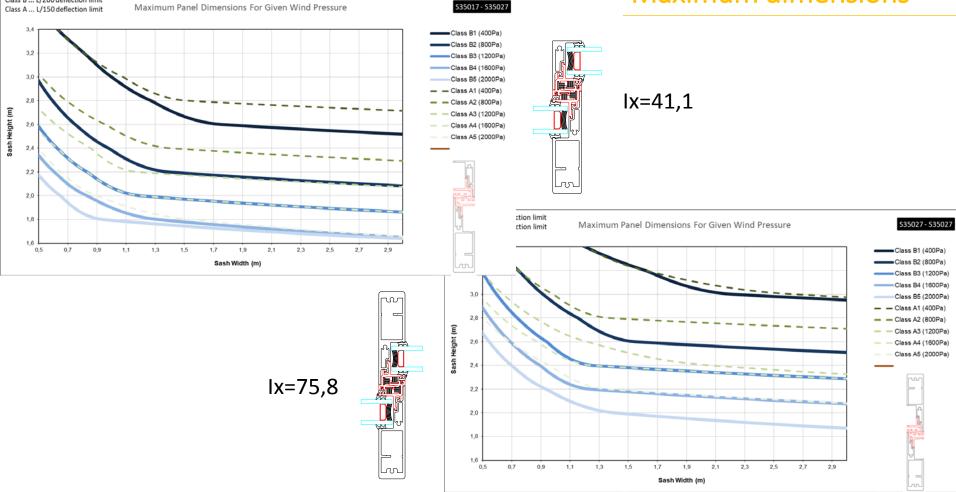




Class B ... L/200 deflection limit



Maximum dimensions









- Standard frame
- Standard sash
- Narrow interlocking profile 50mm
- >SMARTIA s350

- Low frame
- Low sash
- Narrow interlocking profile 25mm

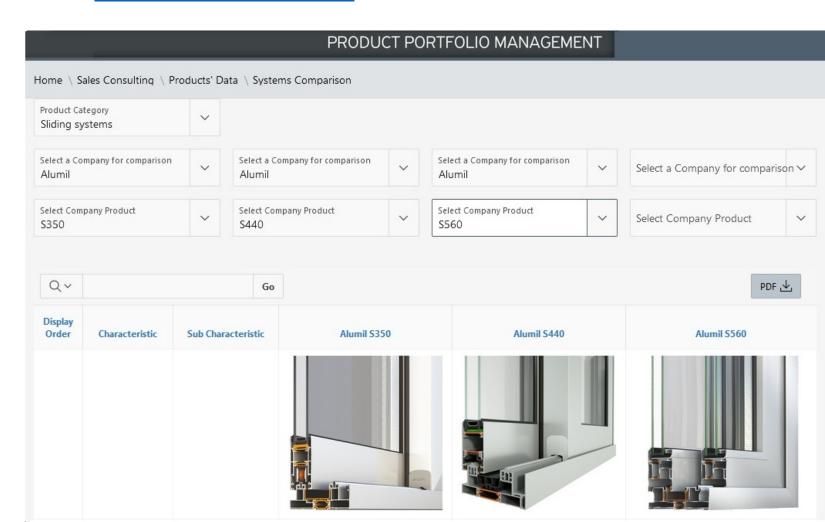








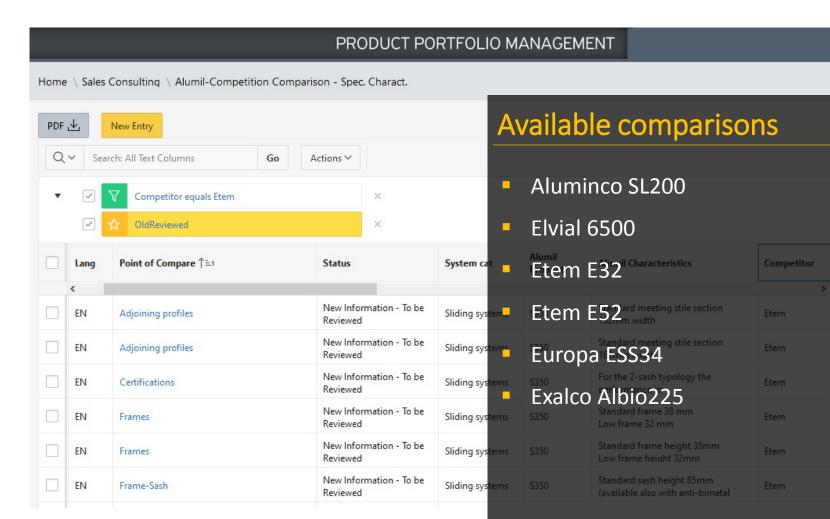
PPM – Product's data comparison







PPM – Competition comparison







	Fabricators	Architects	Home owners
Modern design	/	/	~
Wide range of solutions			/
Increased clientele	/	/	
Differentiation		/	
Green buildings design		/	
Cost & energy saving			~
Ease of use			~
Long-lasting functionality	/		/
Coziness			/
Easy fabrication	/		







Thank you for your attention

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