



Vision Robusto Slim & Aluminiu

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Production units

Experience of over 18 years!

Aplast, part of the Austrian group AnaBerger, has been in the window and door market for over 18 years. During this time we managed to create a team of professionals oriented towards innovation and performance. We have constantly invested in modern production technologies that guarantee us the same level of quality and precision in every product delivered to our customers.



For the comfort of your home

The window is your opening to the world and it is very important to offer you maximum functionality for a product that you will use every day. You can choose from a variety of openings and automations so that Aplast windows and doors integrate perfectly into your home.

Logistics



DISTRIBUTION

Distribution is carried out with suitable means of transport and drivers ready for unloading. The sales information is prepared by the logistics department, which is communicated to the customer in real time and solves all requests.

PACKAGING

To guarantee an optimal delivery, each product can be specially packaged to reduce the risk of damage during transport. All windows are delivered on wooden pallets for greater transport security and delivery by the reseller to end customers.



Interior

[illegible]

Product type / Warranty		Years
Windows and doors	Insulating glass	5
	PVC profiles	5
	Color resistance	5
	Mechanisms and hardware	3
	Door panel	5
Roller shutters	Roller shutters and remote controls	2
	Somfy motorized mechanisms	2
Other products		2

6

7





Comfort and safety in your home

In order to meet customer requirements we offer a range of wood imitation foils.

Hornschuch Cool Colors foils have the property of rejecting sunlight up to 80%, favoring maintaining a constant temperature on the surface of the profile.

At first glance the windows may be identical, but significant differences can be found in the details. Our windows are built to the highest technical quality requirements.

The standard equipment is with the best quality hardware and accessories. You can choose from a wide range of styles, solutions and colors.

The advantages of Aplast windows

1. Durability and stability

Our windows are produced with German profiles and quality controlled. These are profiles that have passed the following tests:

- Water tightness EN 12208;
- Air permeability EN 12207;
- Wind load resistance EN 12210;
- Operating force EN 12406

2. GU-Unijet / Winkhaus hardware

3D hinges with 3-way adjustment made in Germany, tested and guaranteed at 15,000 operating cycles, protected against corrosion by the ferguard silver system. Easy installation and maintenance. In the standard version, the windows are equipped with an anti-theft latch together with a safety device fixed directly on the armature.

3. GU + HOPPE Handle

Easy handling and burglar resistance.

4. Microventilation

The windows are standard equipped with microventilation, which allows the air in the room to be refreshed by positioning the handle at 45 ° without the hardware system being fully open.

5. Tilt and turn system

Comfort and ventilation for the entire room. This type of opening is standard for all windows. And the balcony doors as well as the lever rod for opening 2 leaves.

6. Glass

Aplast joinery can be installed with insulating glass with two or three sheets of glass according to CE regulations.



7. Colors

To meet customer needs, we offer a wide range of wood effect foils. Hornschuch Cool Colors films have reflective pigments, which repel up to 80% of the sun's rays, thus favoring a reduction of the profile temperature, up to 15 degrees.



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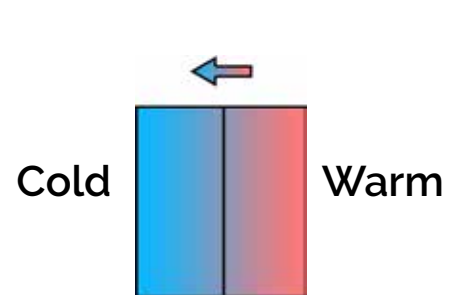
Glass and thermal protection

The window separates two environments that generally have different temperatures. As in the case of a wall, the window is a dynamic connection that enables or limits the heat transfer between the hot and the cold environment. The window also has the quality of allowing sunlight to pass through which brings in additional free heat.

Energy exchanges through a wall of any type are made by:

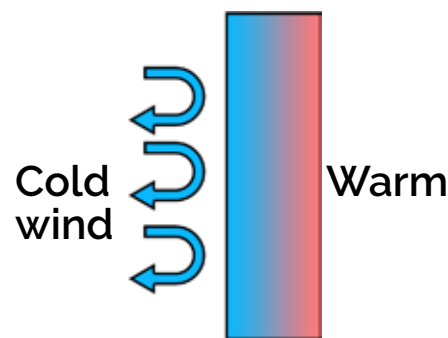
1. Conduction

heat transfer between two bodies in direct contact.



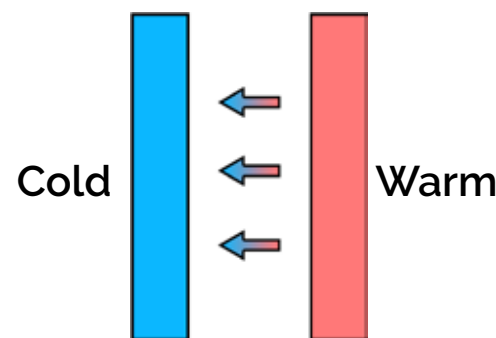
2. Convection

heat transfer between the surface of a solid body and a fluid, gas or liquid.



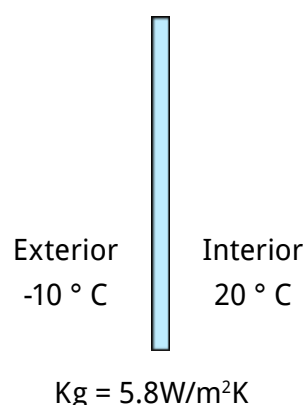
3. Radiation

is the heat transfer that results from a radiation exchange between two bodies at different temperatures.



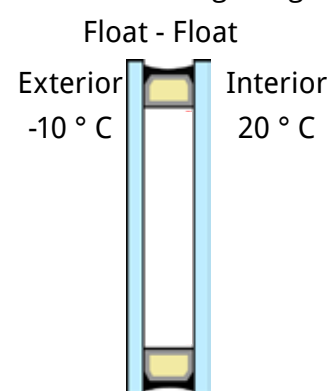
Thermal transfers between two media, by conduction, convection and radiation are expressed by the “K” coefficient .

4mm Simple glass



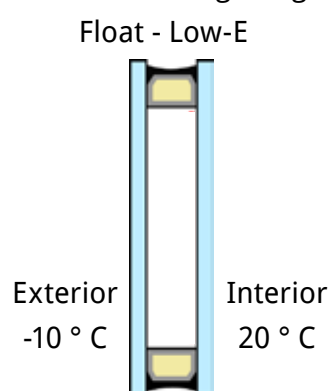
$K_g = 5.8W/m^2K$

24mm Double glazing
Float - Float



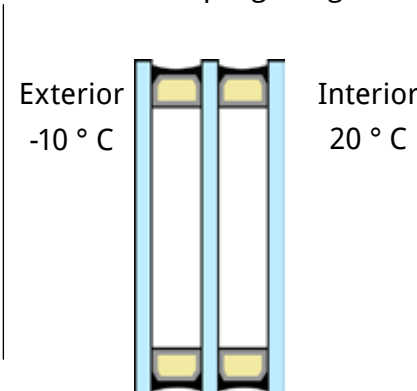
$K=2.8W/m^2K$

24mm Double glazing
Float - Low-E



$K=1.1W/m^2K$

44mm Triple glazing



$K=0.6W/m^2k$

Advantages of glass

The triple insulating glass was “born” as a natural continuation of the improvement of thermal comfort and the reduction of heating costs during the winter. We find them in various combinations of panes and foils.

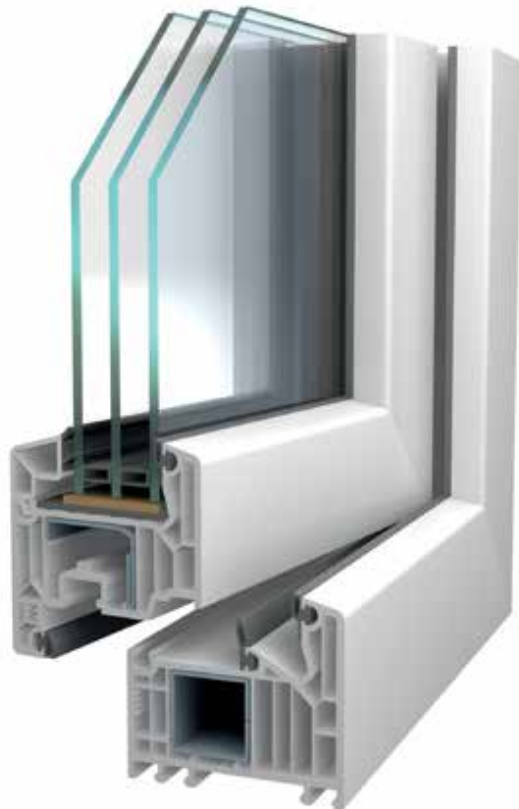
	Double insulating glass 4mm-14Ar-4mm (total thickness 22 mm)	Triple thermal insulation glass 4mm-16Ar-4mm-16Ar-4mm (total thickness 44 mm)		
	With Low-E	Without Low-E	With 2 Low-E sheets	With Dp and Low-E
Light transmission	80%	75%	74%	55%
Heat transfer (Ug)	1.1W/m²K	1.6W/m²K	0.6W/m²K	0.5W/m²K
Solar factor (g)	63%	72%	56%	35%

By using a solar control glass, DUAL PROTECT SUN, the sun protection is considerably improved, thus avoiding the greenhouse effect, which is responsible for the discomfort during the summer on the South, South West and West facades. The solar factor (g) is the parameter that measures this effect. The lower its value, the better the protection, increased comfort and reduced energy consumption.

	Double insulating glass 4mm-16Ar-4mm	Triple thermal insulation glass 4mm-16Ar-4mm-16Ar-4mm
	With Dual-Protect	With Dual-Protect and Low-E
Light transmission	61%	55%
Heat transfer (Ug)	1.0W/m²K	0.5W/m²K
Solar factor (g)	39%	36%

- The correctly constructed triple insulating glass has in its composition two panes with Low-E type films and a space of at least 16mm filled with Argon. With this combination, a heat transfer coefficient of 0.5W / mpK can be reached.
- The triple insulating glass also aims to reduce noise under conditions of special composition of the glass. In its standard composition (4mm DUAL PROTECT SUN -16Ar-4mm-16Ar-4mmLow-E) the noise reduction is 32dB compared to the double glazing which has 30dB.
- The differences in light transmission in the insulating glass are significant
- Light transmission ranges from 60% DUAL PROTECT EVOLUTION to 72% at DUAL PROTECT SUN.
- Glass surfaces / foils positioning are numbered from the outside towards the inside 1-> 6 .

VISION range



VEKA SOFTLINE 82

Profile features

Class A profile

Thermal coefficient	0,8 W/m ² K
Air chambers	7
Mounting depth	82mm
Gaskets	3 gaskets
Armature	Circumferential armature
Glass thickness	44, 52mm
Sash shape	Straight
Colors	White or with foil



The VEKA SOFTLINE 82 windows

A system with a profile depth of 82 mm, three sealing gaskets. The SOFTLINE 82 system has an elegant design with slightly rounded edges. The remarkable thermal insulation coefficient, up to 0.67 W / m²K can be obtained depending on the type of thermal insulation glazing used, thus meeting the efficiency standard of passive houses.

Thermal insulation



Soundproofing



Economy



VEKA SOFTLINE 82 MD

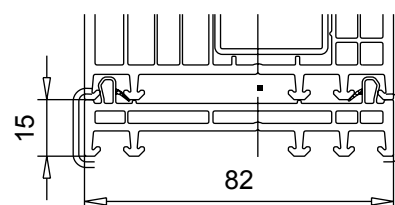
Profile sections

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102.310 	102.316 	107.264 	107.260

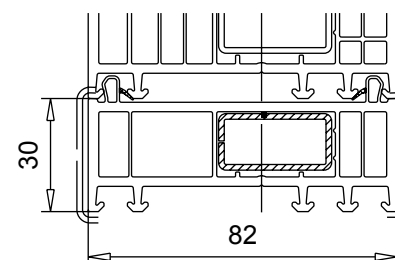
VEKA SOFTLINE 82 MD

Extensions

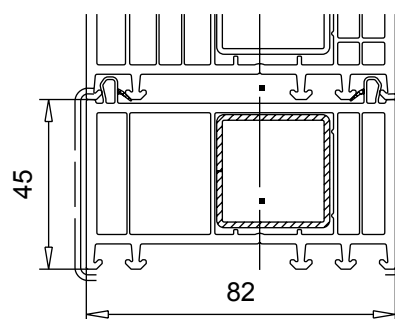
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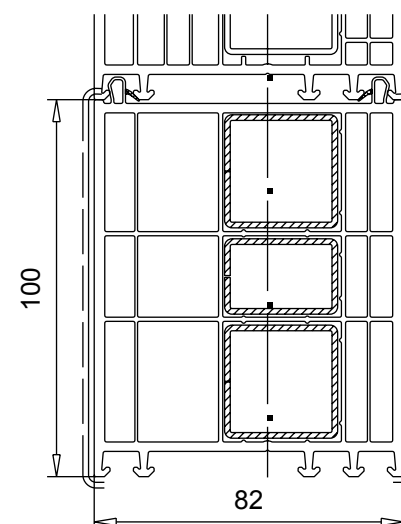
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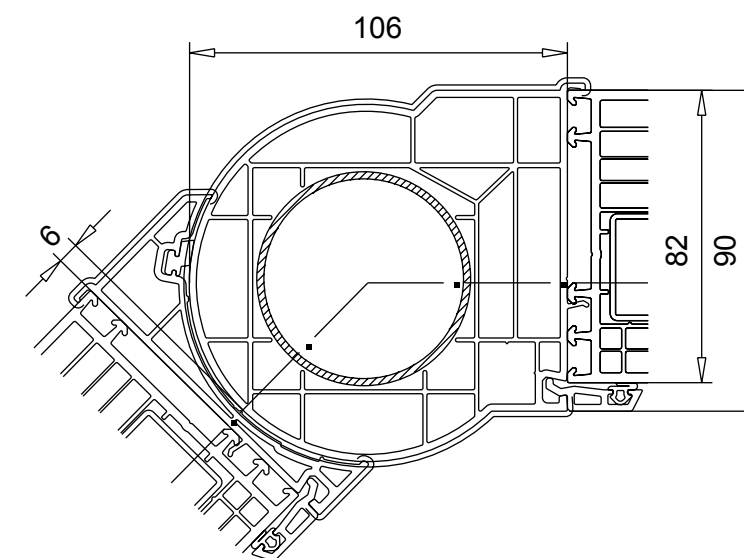
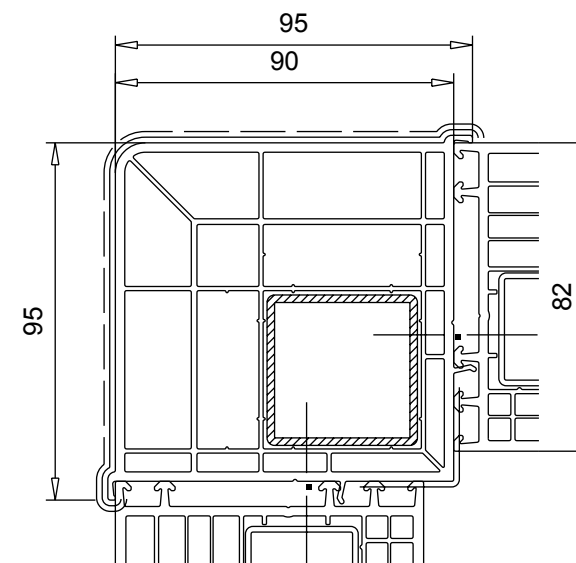
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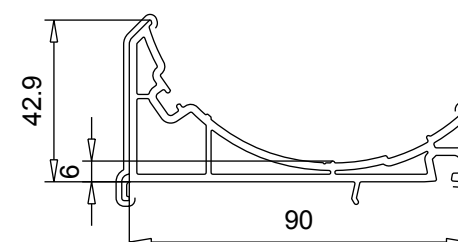
VEKA SOFTLINE 82 MD

Angle change profiles

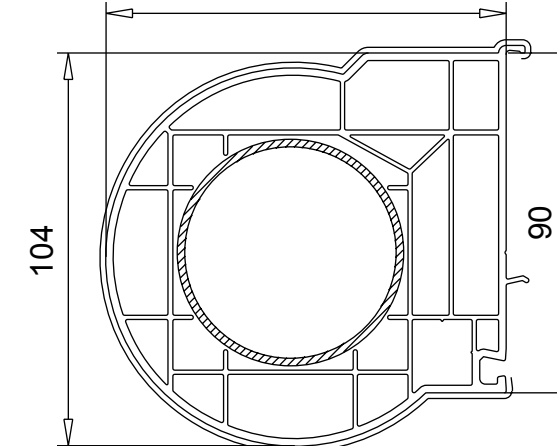
116.214



116.215



116.216



VISION range



VEKA SOFTLINE 76 MD

Profile features Class A profile

Thermal coefficient	1,1 W/m²K
Air chambers	5
Mounting depth	76mm
Gaskets	3 gaskets
Armature	Circumferential armature
Glass thickness	24, 28, 32, 40, 44, 48mm
Sash shape	Straight
Colors	White or with foil



The VEKA SOFTLINE 76 MD windows

By improving the mounting depth to 76 mm, with an integrated insulation concept, with 3 gaskets (one median), the capacity to receive a thicker glass, thermal efficiency increases to 1.1 W / m²K, generating high comfort and a low energy consumption for heating the living space. The sun protection glass substantially increases the energy gain during the summer.

Thermal insulation



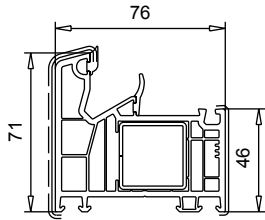
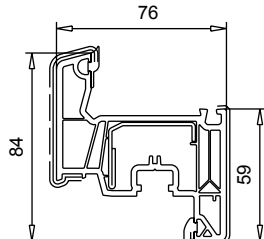
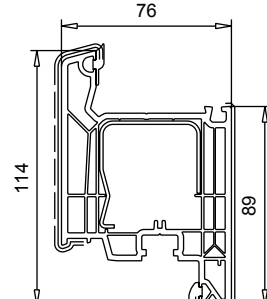
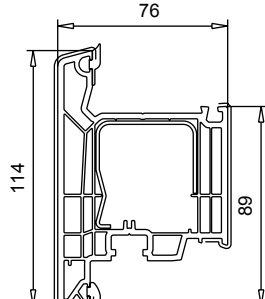
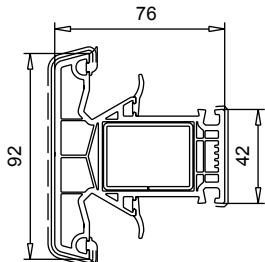
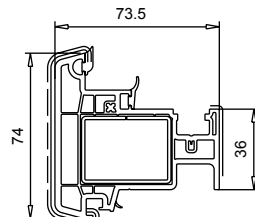
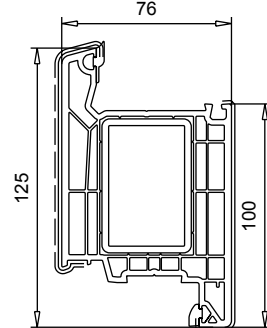
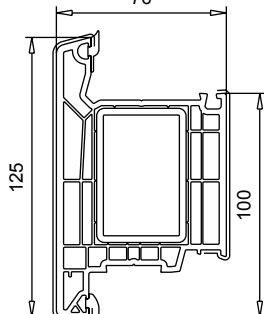
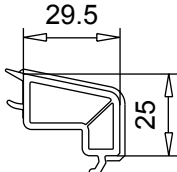
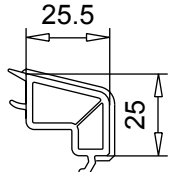
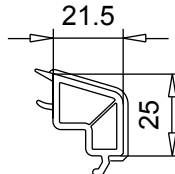
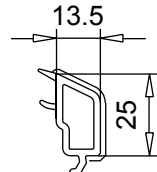
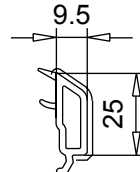
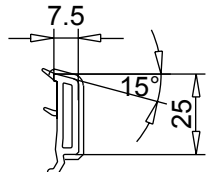
Soundproofing



Economy

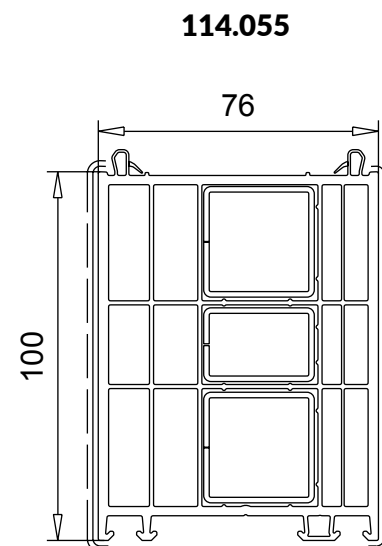
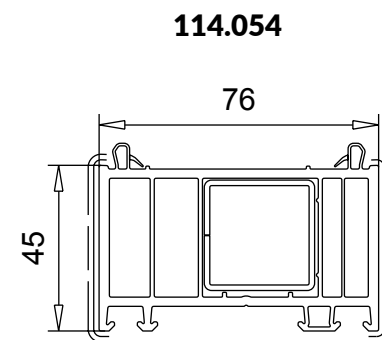
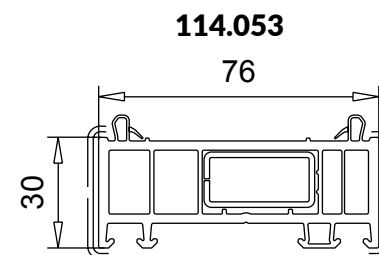
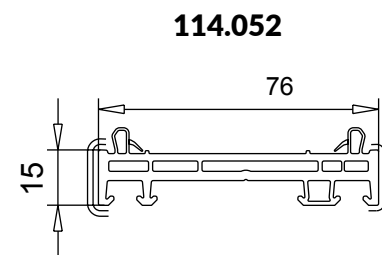


VEKA SOFTLINE 76 MD Profile sections

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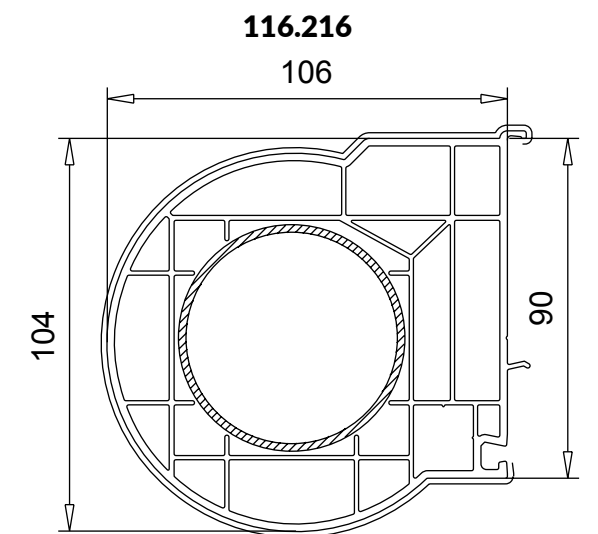
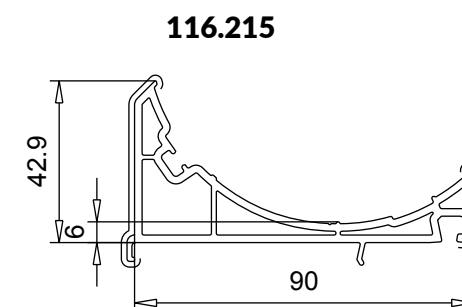
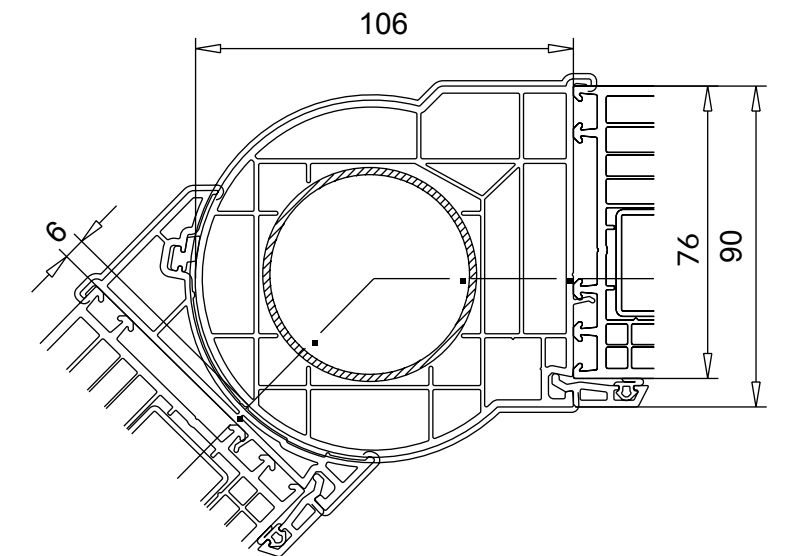
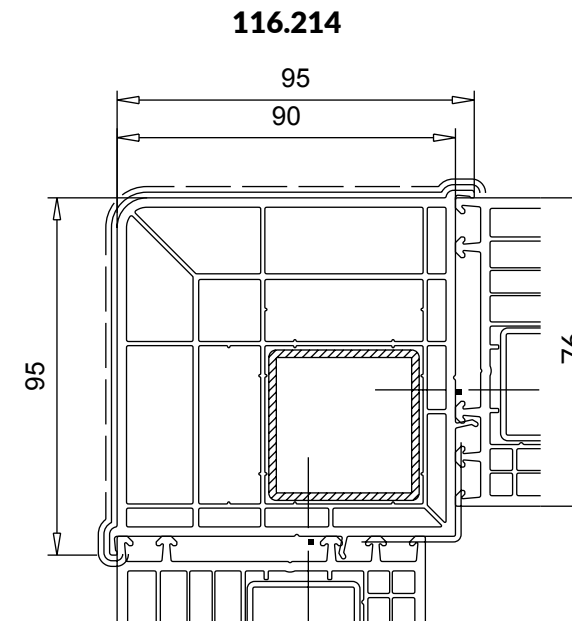
VEKA SOFTLINE 76 MD

Extensions



VEKA SOFTLINE 76 MD

Angle change profiles



ROBUSTO range



VEKA SOFTLINE 70 AD

Profile features Class A profile



Thermal coefficient	1,3 W/m²K
Air chambers	5
Mounting depth	70mm
Airtightness	up to class 4 (DIN EN 12207)
Watertightness	up to class 9A (DIN EN 12208)
Windproofness	up to class C5 (DIN EN 12210)
Gaskets	3 Gaskets
Armature	Circumferential armature
Glass thickness	24, 28, 32, 40mm
Sash shape	Straight
Colors	White or with foil

The VEKA SOFTLINE 70 AD Windows

System with a profile depth of 70 mm, the ability to receive a thicker glass and by increasing the number of chambers, thermal efficiency increases to 1.3 W / m²K, hence better comfort and lower energy consumption for home heating. Combined with a sun protection glass, the energy gain during the summer is substantial.

Aluminum plated PVC

The VEKA SOFTLINE 70 AD series offers the possibility to be plated with aluminum on the outside (RAL painted) with a major degree of protection and a futuristic design.

Thermal insulation



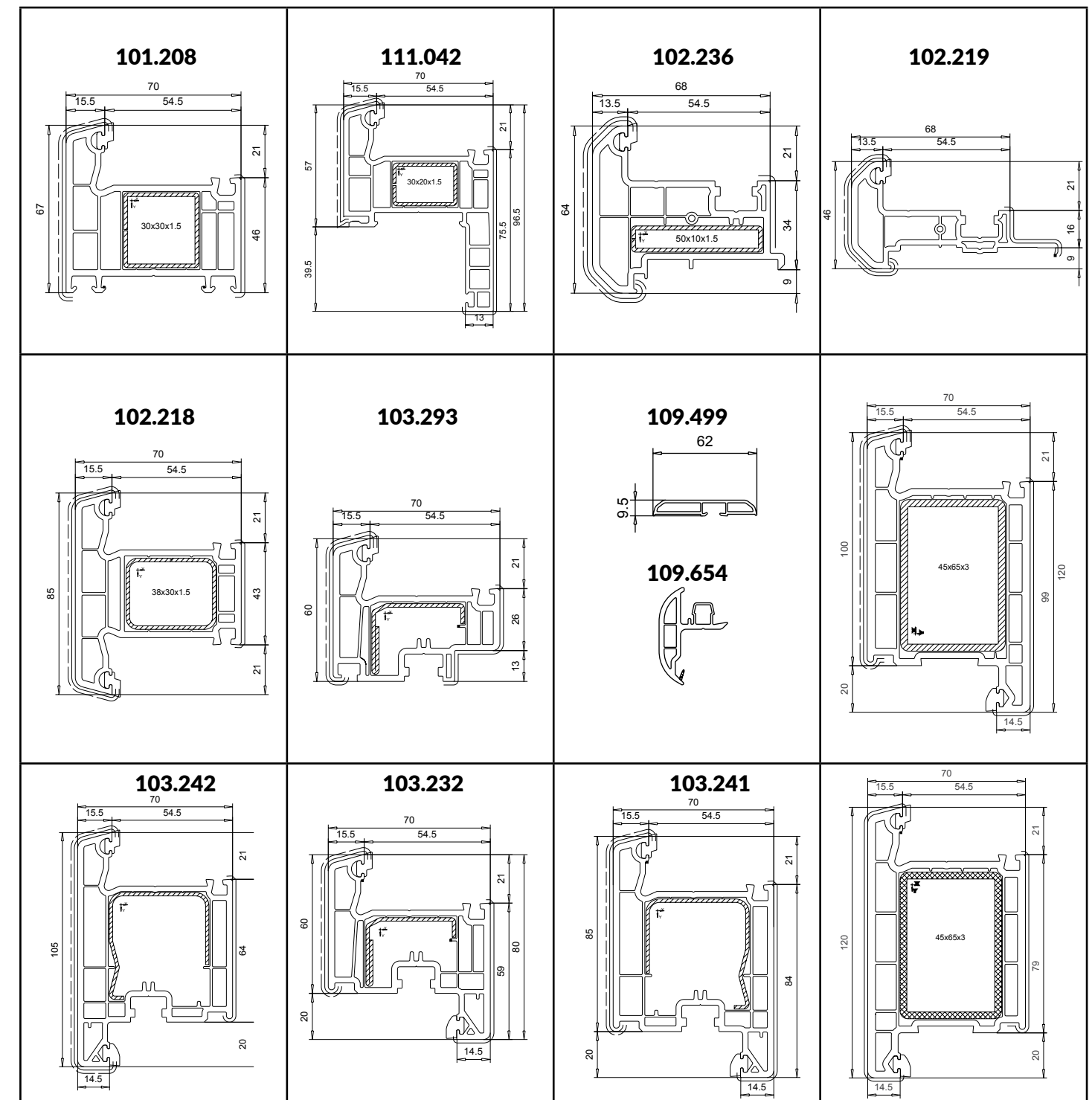
Soundproofing



Economy



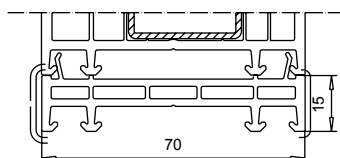
VEKA SOFTLINE 70 AD Profile sections



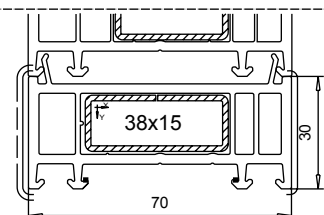
VEKA SOFTLINE 70 AD

Extensions

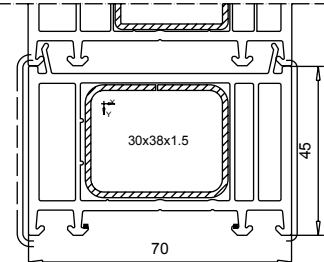
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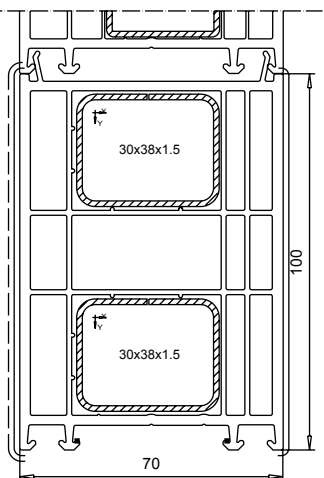
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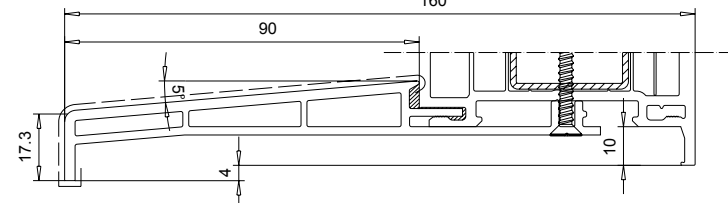


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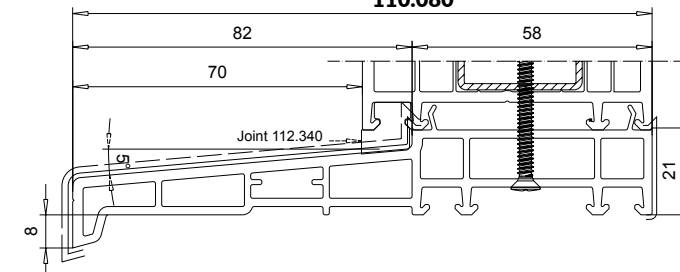


Window sills

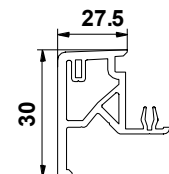
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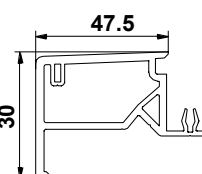
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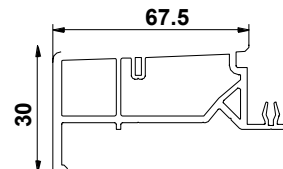
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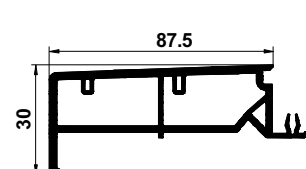
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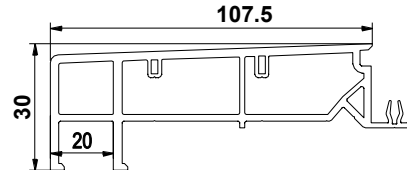
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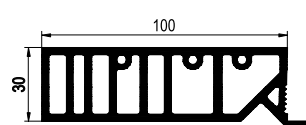
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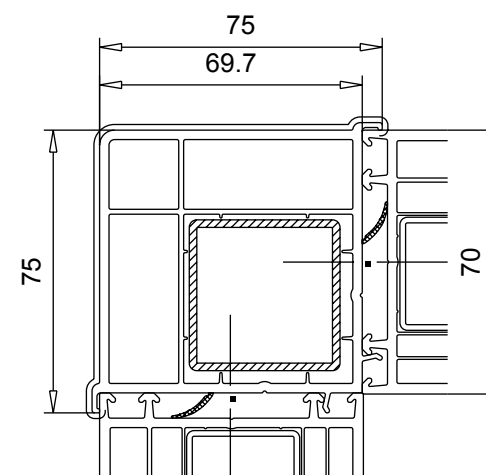
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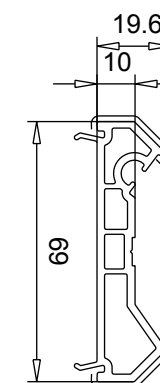
VEKA SOFTLINE 70 AD

Angle change profiles

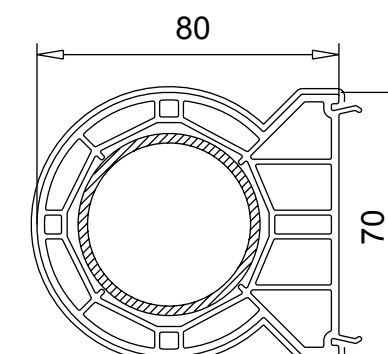
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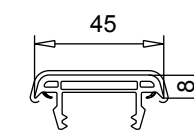
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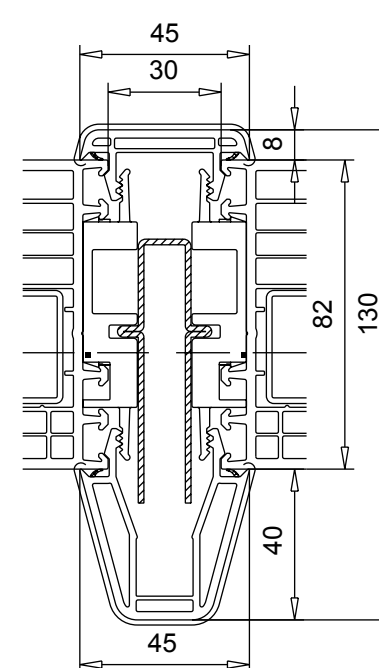
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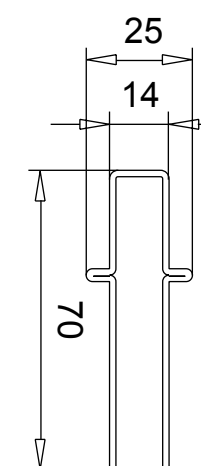
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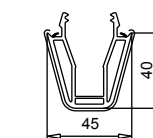
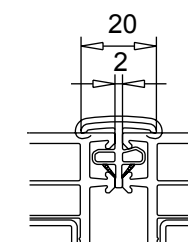
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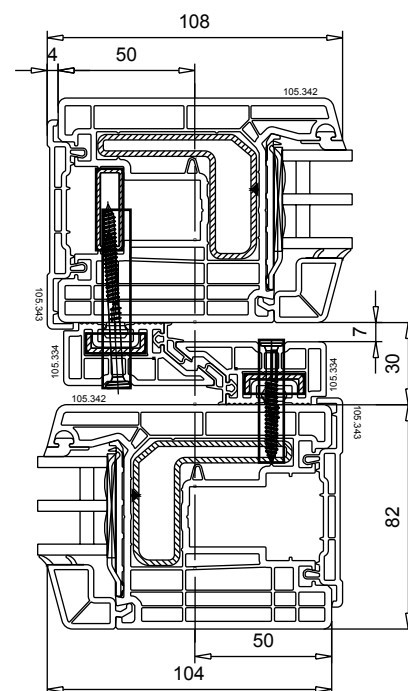
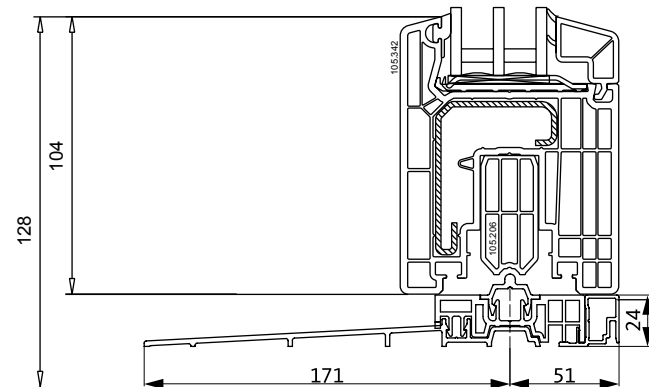
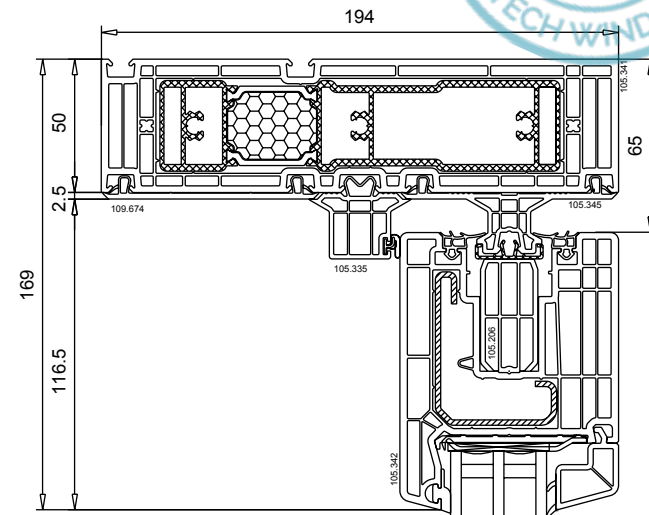
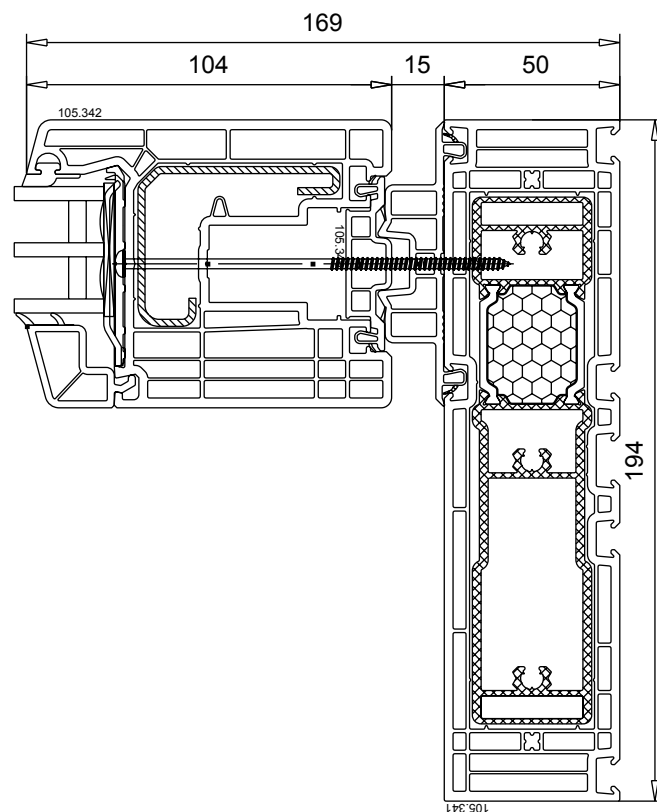
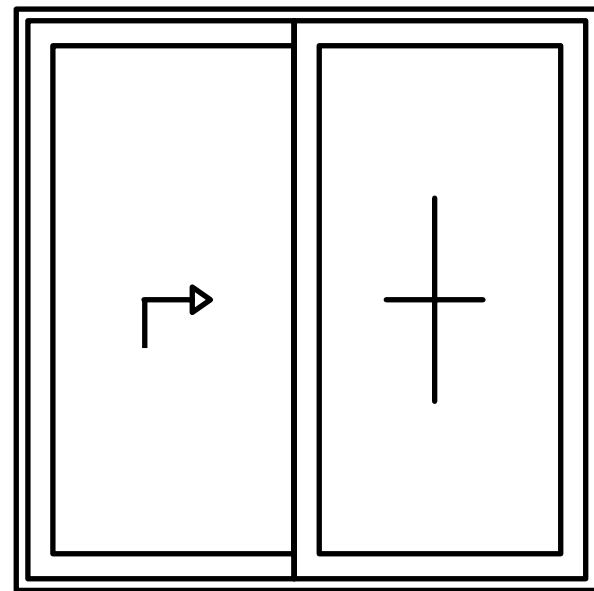


116.217



116.211

VEKA SLIDE - 82 mm

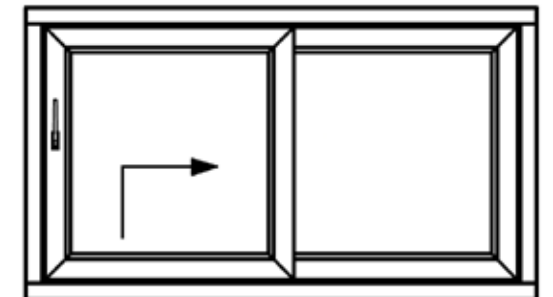


VEKA SLIDE - 82 mm

Door types, dimensional limits covered by the warranty.

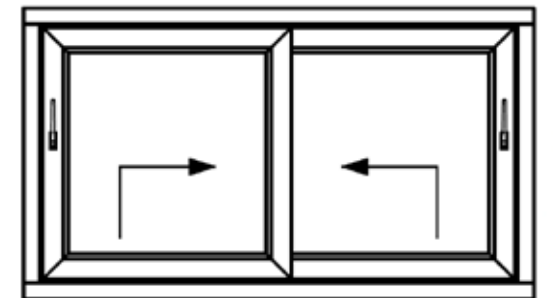
Scheme A-1 sash that opens + 1 fixed sash

White (dimensions)	With foil (dimensions)
L (Min=1800, Max=6000)	L (Min=1800, Max=5000)
H (Min=1800, Max=2600)	H (Min=1800, Max=2400)

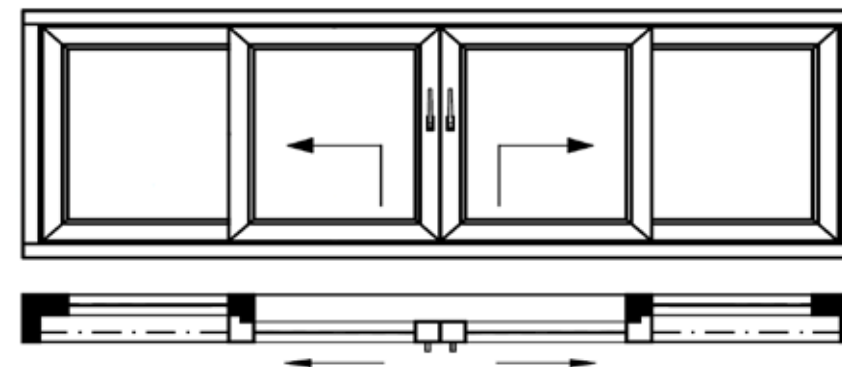


Scheme D - 2 mobile sashes

White (dimensions)	With foil (dimensions)
L (Min=1800, Max=6000)	L (Min=1800, Max=5000)
H (Min=1800, Max=2600)	H (Min=1800, Max=2400)

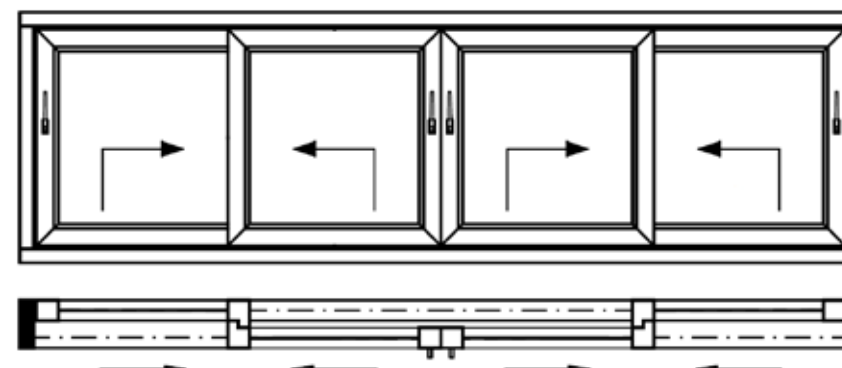


Scheme C 2 movable sashes+2 lateral fixed sashes



White (dimensions)
L (Min=3600, Max=6500)
H (Min=1800, Max=2600)
With foil (dimensions)
L (Min=3600, Max=6500)
H (Min=1800, Max=2400)

Scheme E - 4 mobile sashes



White (dimensions)
L (Min=3600, Max=6500)
H (Min=1800, Max=2600)
With foil (dimensions)
L (Min=3600, Max=6500)
H (Min=1800, Max=2400)

ROBUSTO range



APLAST 70 PLUS

The APLAST 70 PLUS Window

System with a profile depth of 70 mm, the ability to receive a thicker glass and by increasing the number of chambers, thermal efficiency increases to 1.3 W / m²K hence better comfort and lower energy consumption for home heating. Combined with a sun protection glass, the energy gain during the summer is substantial.

Profile features

Thermal coefficient	1,3 W/m ² K
Air chambers	5 oder 6
Mounting depth	70mm
Airtightness	up to class 4 (DIN EN 12207)
Watertightness	up to class 9A (DIN EN 12208)
Windproofness	up to class C5 (DIN EN 12210)
Gaskets	2 Gaskets
Armature	Circumferential armature
Glass thickness	24, 28, 32, 40mm
Sash shape	Straight / round
Colors	White or with foil



Thermal insulation



Soundproofing



Economy

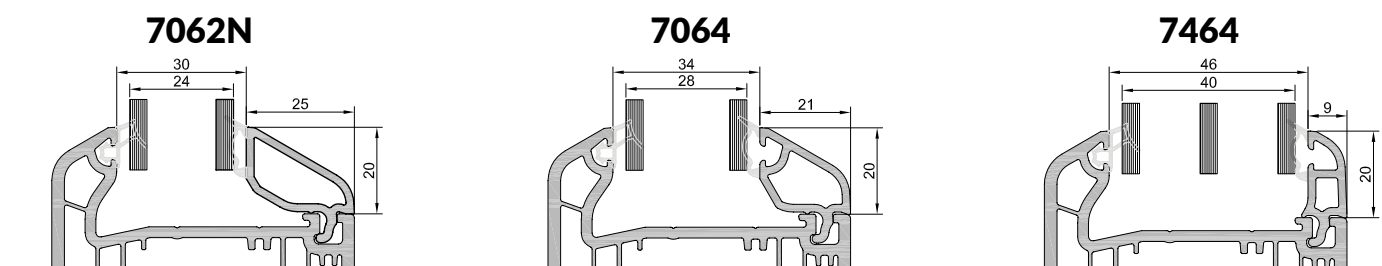


APLAST 70 PLUS Profile sections

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7070 	7075 	7076 	7056
7065 	7053 	7057 	7058

APLAST 70 PLUS

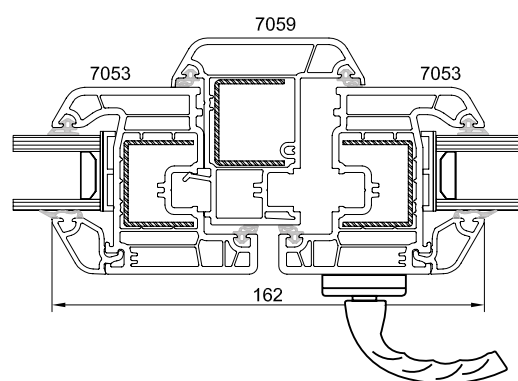
Glass rods



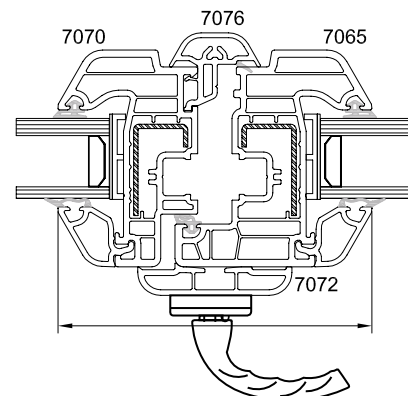
Reduced sash typology

- The system that offers more light and value to your home is an ecological product with a pleasant aesthetic of simple and modern lines. Excellent thermal insulation properties..

Handle system STANDARD

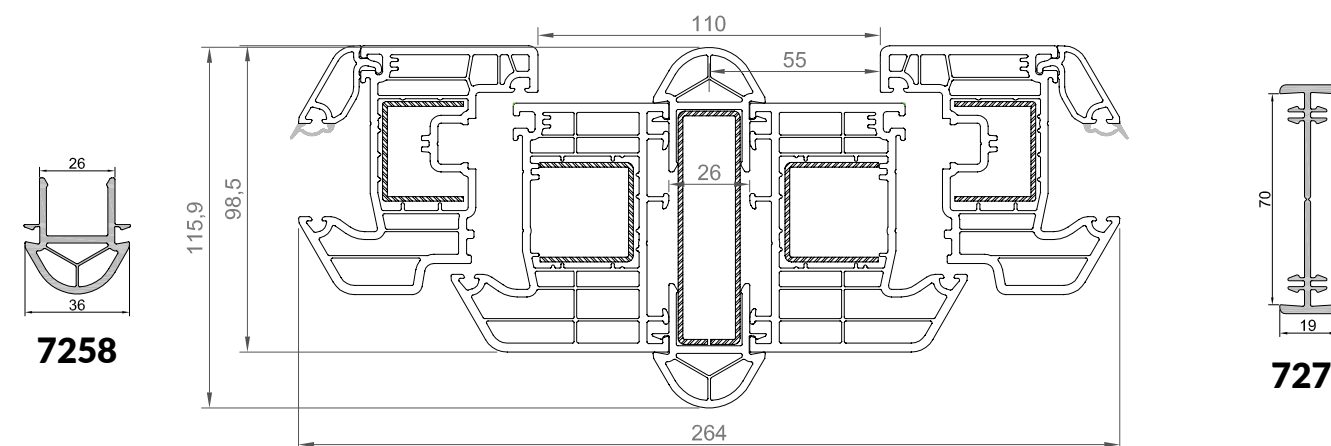
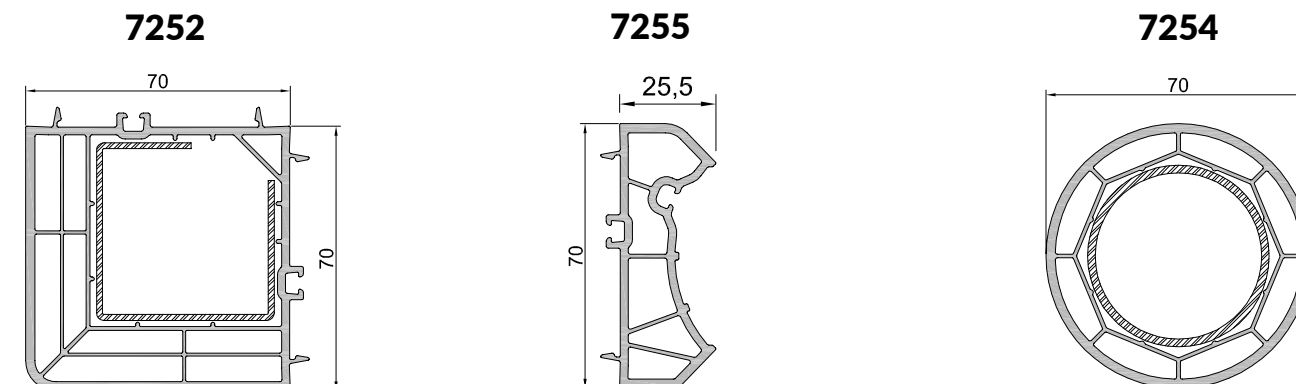


Handle system CENTRAL

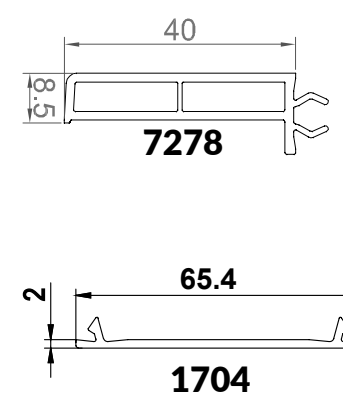


APLAST 70 PLUS AND APLAST SLID

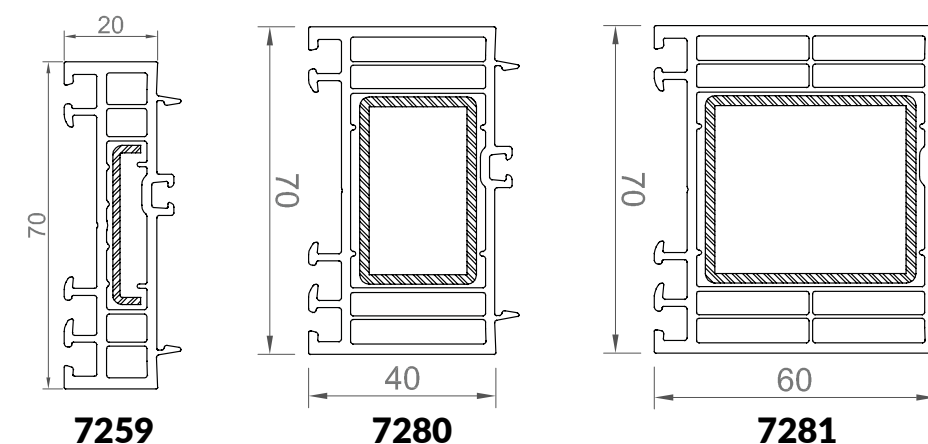
Angle change profiles



Auxiliary profiles

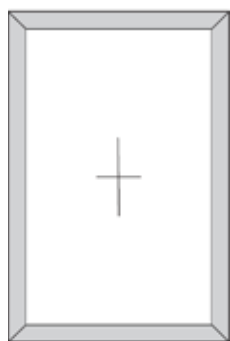


Extensions



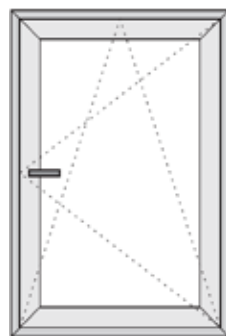
APLAST 70 PLUS

Types of windows and doors, dimensional limits covered by the warranty.



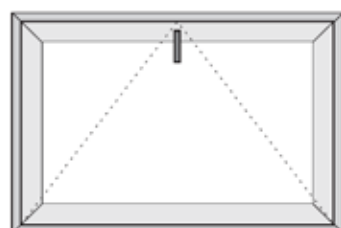
FIX

B min/max = 300 / 2500
H min/max = 500 / 2600



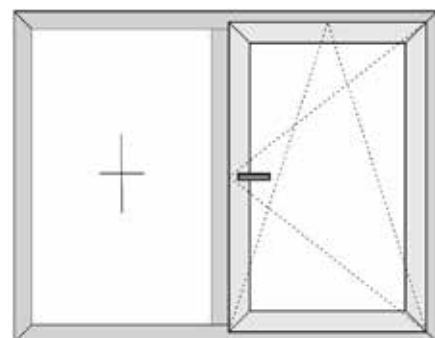
Tilt and turn window

B min/max = 400 / 1500
H min/max = 450 / 2200



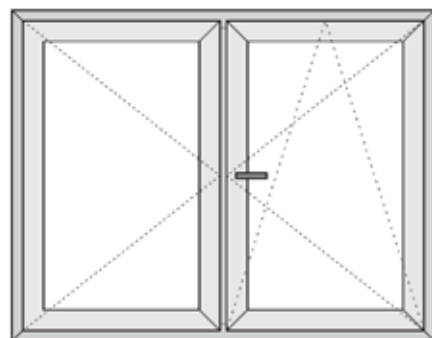
Tilt window

B min/max = 500 / 2000
H min/max = 400 / 1600



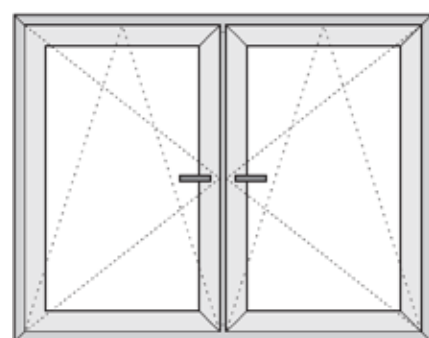
2 sashes fixed + tilt and turn

B min/max = 800 / 2600
H min/max = 450 / 2200



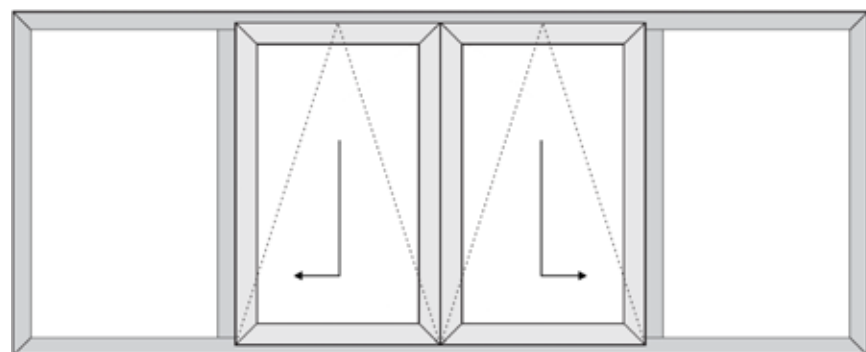
Window with 2 tilt and turn sashes both open

B min/max = 800 / 2600
H min/max = 450 / 2200



Window with 2 tilt and turn sashes with individual opening

B min/max = 800 / 2600
H min/max = 450 / 2200

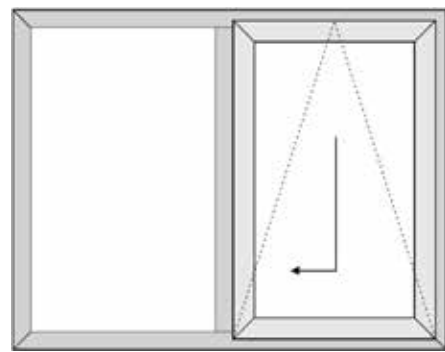


Sliding oZ

B min/max = 3000 / 4500
H min/max = 800 / 1800

Sliding mZ

B min/max = 3200 / 5000
H min/max = 1800 / 2400



Sliding oZ

B min/max = 1500 / 2500
H min/max = 800 / 1800

Sliding mZ

B min/max = 1600 / 3200
H min/max = 1800 / 2400

APLAST 70 PLUS

Types of windows and doors, dimensional limits covered by the warranty

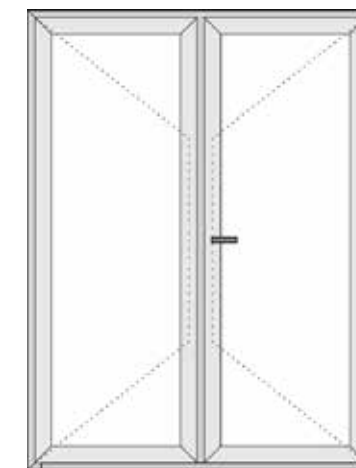


Balcony door

B min/max = 400 / 1000
H min/max = 1800 / 2450

Balcony door

B min/max = 800 / 2000
H min/max = 1800 / 2450

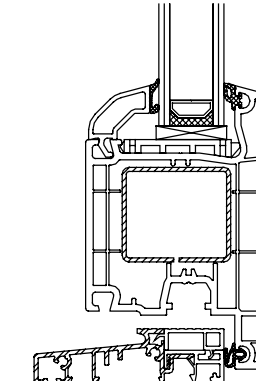
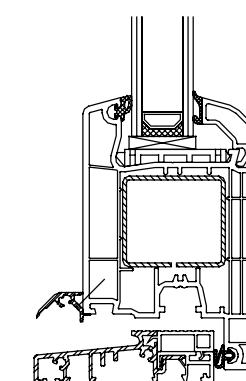
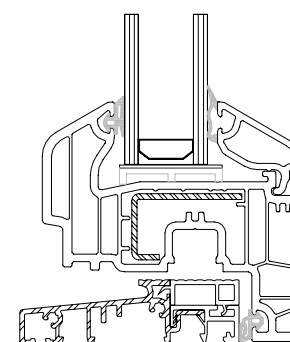
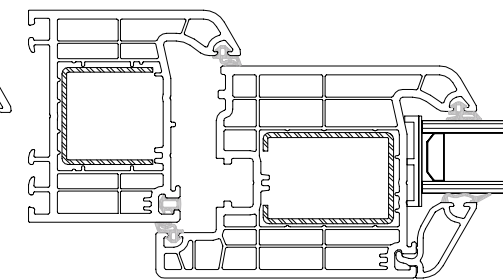
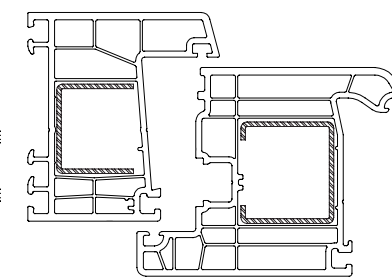
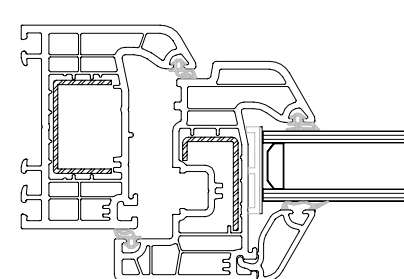


Front entrance door

B min/max = 400 / 1100
H min/max = 1800 / 2450

Front entrance door

B min/max = 900 / 2100
H min/max = 1800 / 2450



Balcony door

Door with closed frame and 20 mm aluminum threshold, tilt or tilt and turn opening. Internal handle, false handle option and lock..

Front door

Opening the door on the inside or outside (T). With closed frame or 20 mm aluminum threshold. It is produced with an internal handle or with 2 handles and a cylinder.

ROBUSTO range



APLAST 70

Profile features

Thermal coefficient	1,33 W/m ² K
Air chambers	4
Mounting depth	70mm
Gaskets	2 Gaskets
Armature	Circumferential armature
Glass thickness	24, 34, 44mm
Sash shape	Straight
Colors	White or with foil



The APLAST 70 PLUS Windows

The windows built on the profiles from the Aplast 70 series represent an economical option. They offer a good heat transfer coefficient, having the possibility of aesthetic resemblance to traditional windows, through the foiling system. The system includes a wide range of profiles for windows and doors. The heat transfer coefficient is 1.33 W / m²K, at a mounting depth of 70mm, with 4 chambers.

Thermal insulation



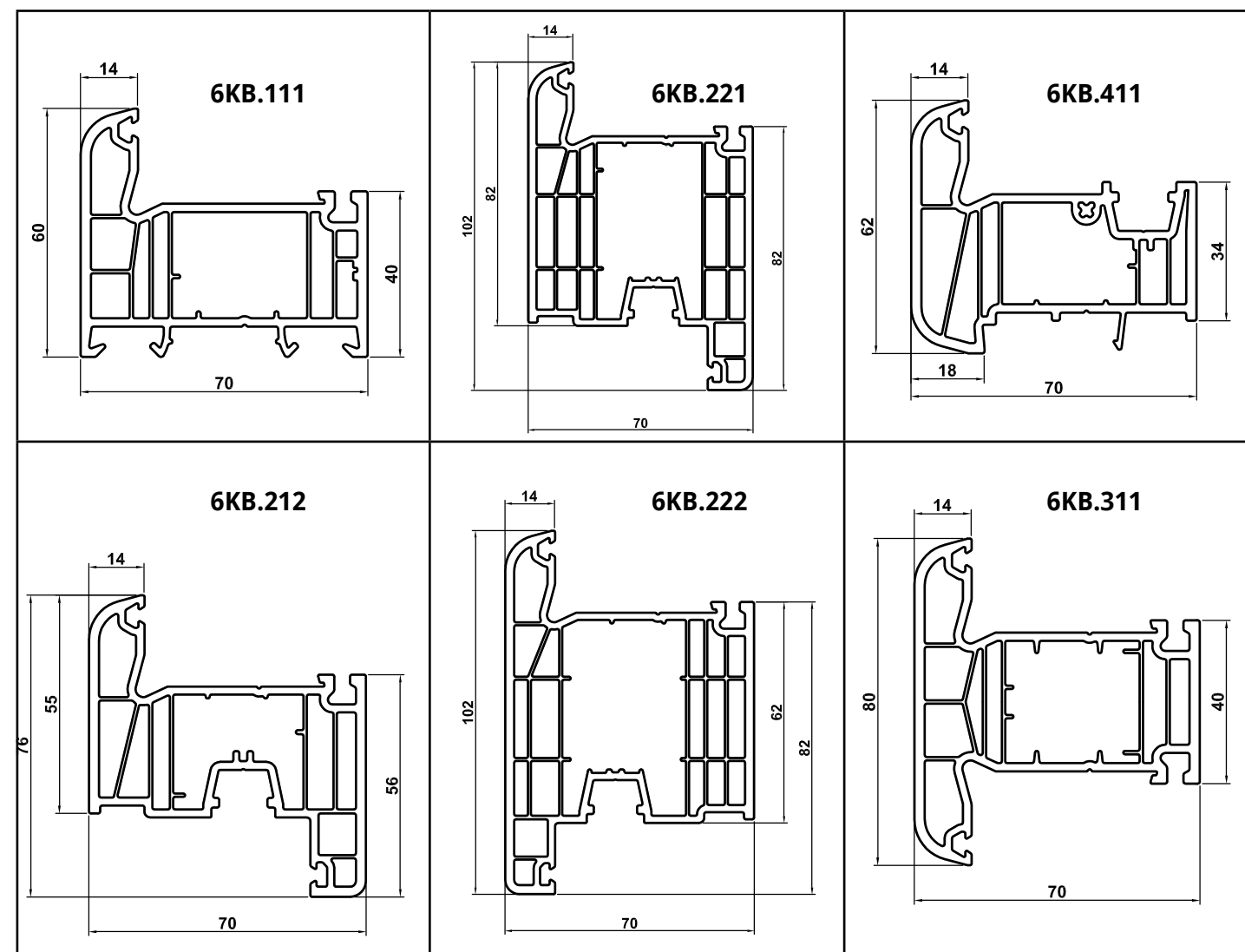
Soundproofing



Economy

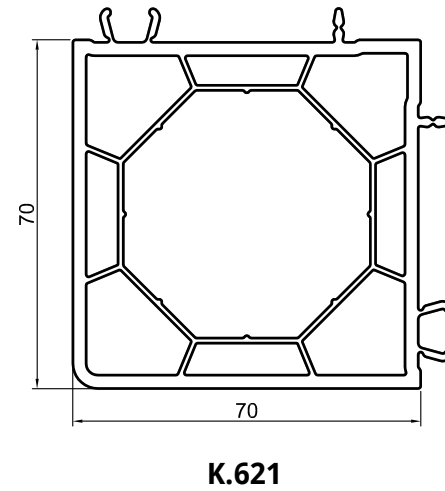
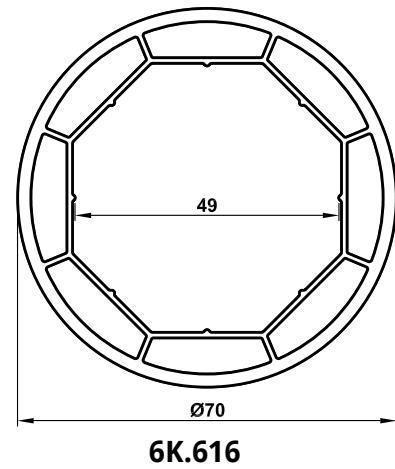
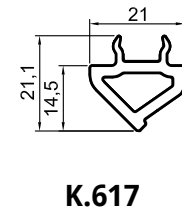
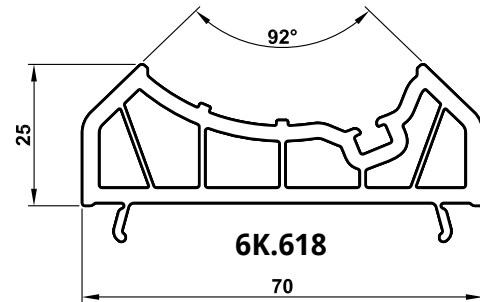


APLAST 70 Profile sections



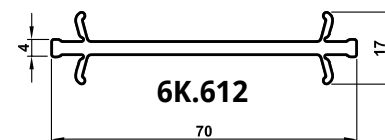
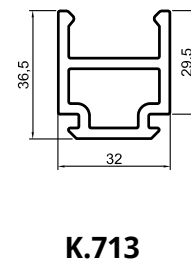
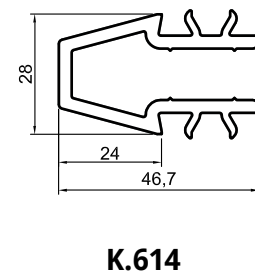
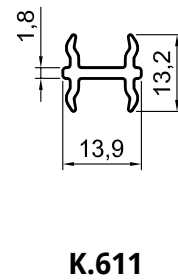
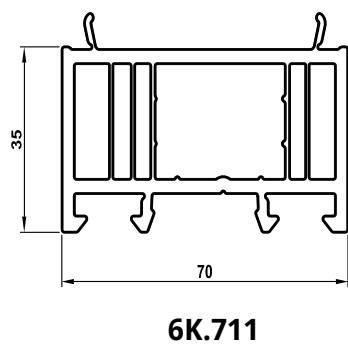
APLAST 70

Angle change profiles



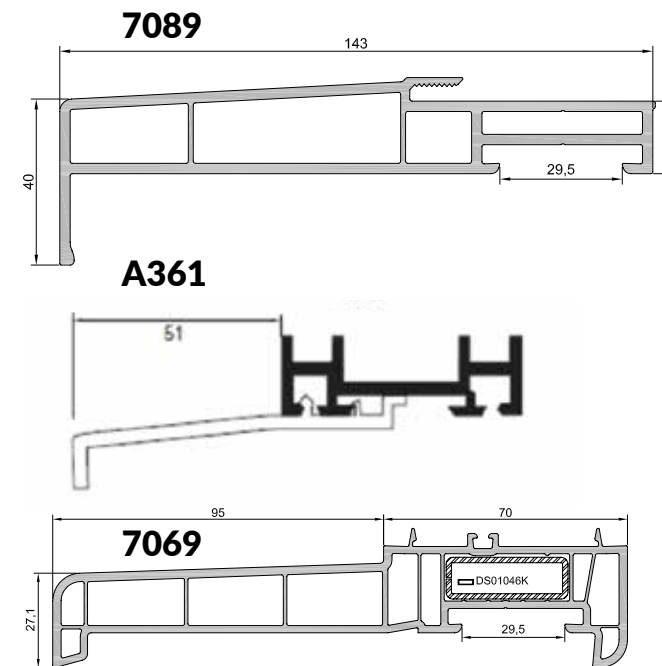
APLAST 70

Extension, Solbank, jointing rod

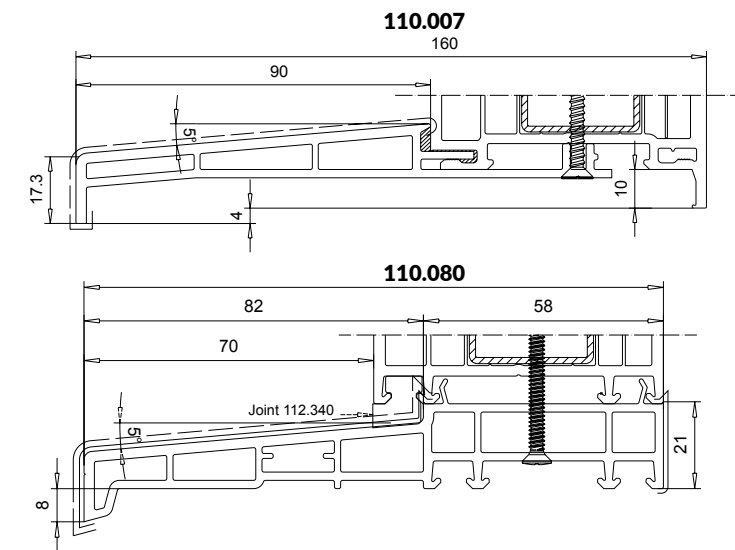


Exterior window sills

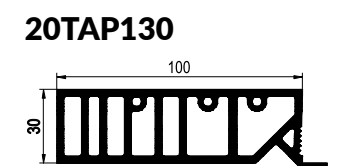
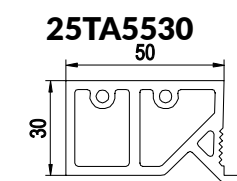
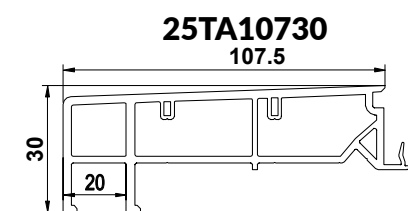
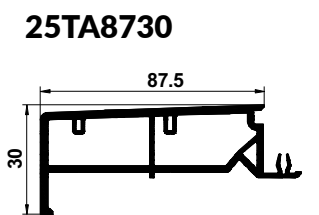
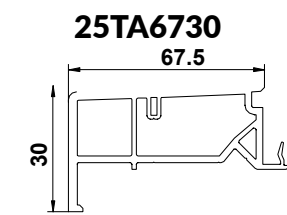
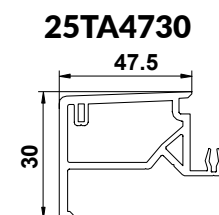
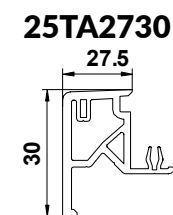
APLAST 70 PLUS



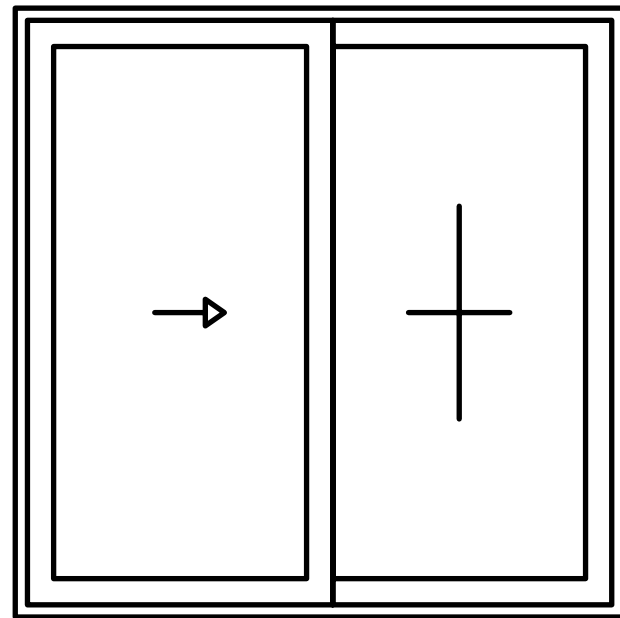
VEKA SOFTLINE 70 AD



APLAST 70 PLUS & VEKA SOFTLINE 70 AD

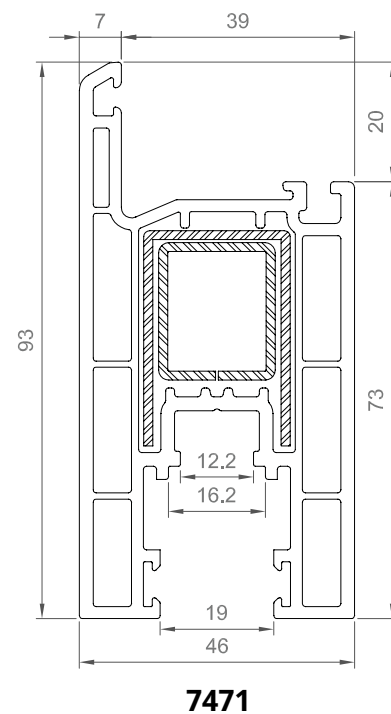
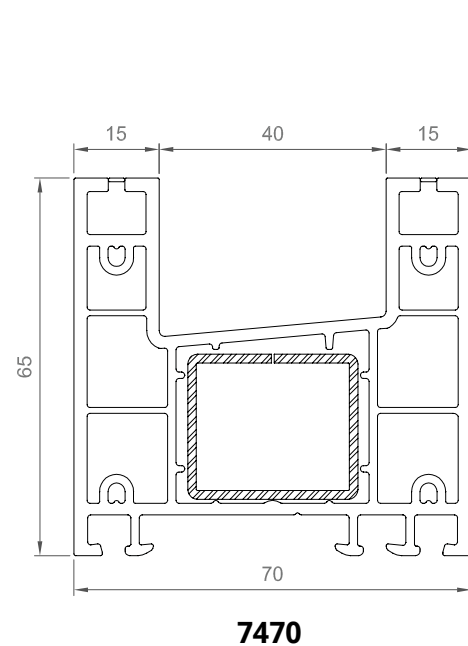


APLAST 70 SLID



Profile features

Air chambers	3
Mounting depth	70mm
Sealing	2 brushes
Armature	Circumferential armature
Glass thickness	24mm
Sash shape	Straight
Colors	White or with foil



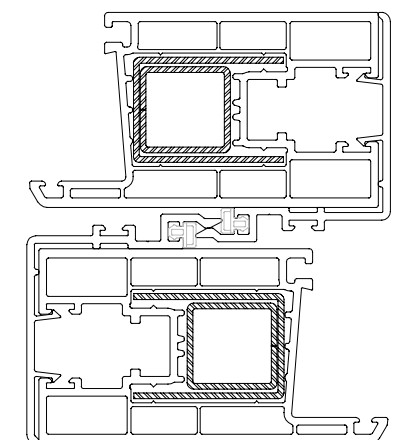
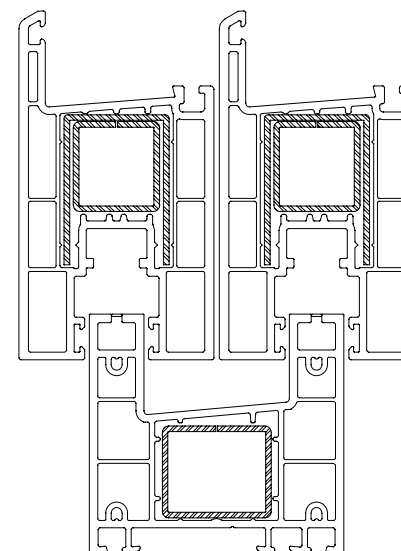
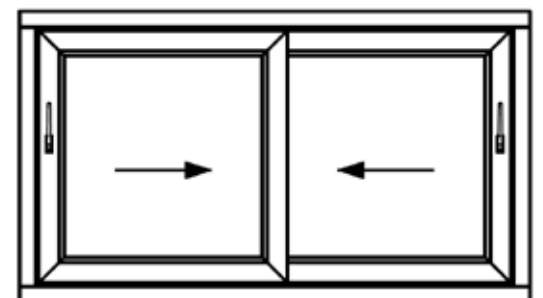
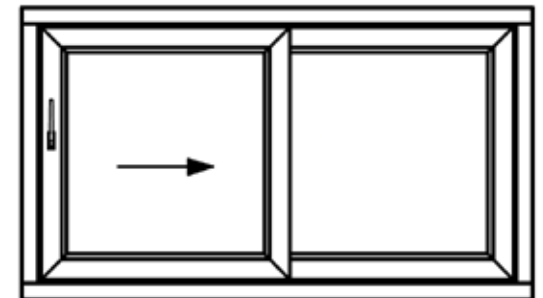
APLAST 70 SLID

Scheme A - 1 movable sash + 1 fixed sash

White	Colorful
B (Min=1100, Max=2100)	B (Min=1100, Max=2100)
H (Min=700, Max=2200)	H (Min=700, Max=2000)

Scheme D - 2 mobile sashes

White	Colorful
B (Min=1100, Max=2100)	B (Min=1100, Max=2100)
H (Min=700, Max=2200)	H (Min=700, Max=2000)



SLIM range



APLAST 60

The APLAST 60 Windows

The windows built on the profiles from the Aplast 60 series represent an economical option. They offer a good heat transfer coefficient, having the possibility of aesthetic resemblance to traditional windows, through the foiling system. The system includes a wide range of profiles for windows and doors. The heat transfer coefficient is 1.59 W / m²K, at a mounting depth of 60mm, with 4 chambers.



Profile features

Thermal coefficient	1,59 W/m ² K
Air chambers	4
Mounting depth	60mm
Gaskets	2 Gaskets
Armature	Circumferential armature
Glass thickness	5, 24, 34mm
Sash shape	Straight
Colors	White or with foil

Thermal insulation



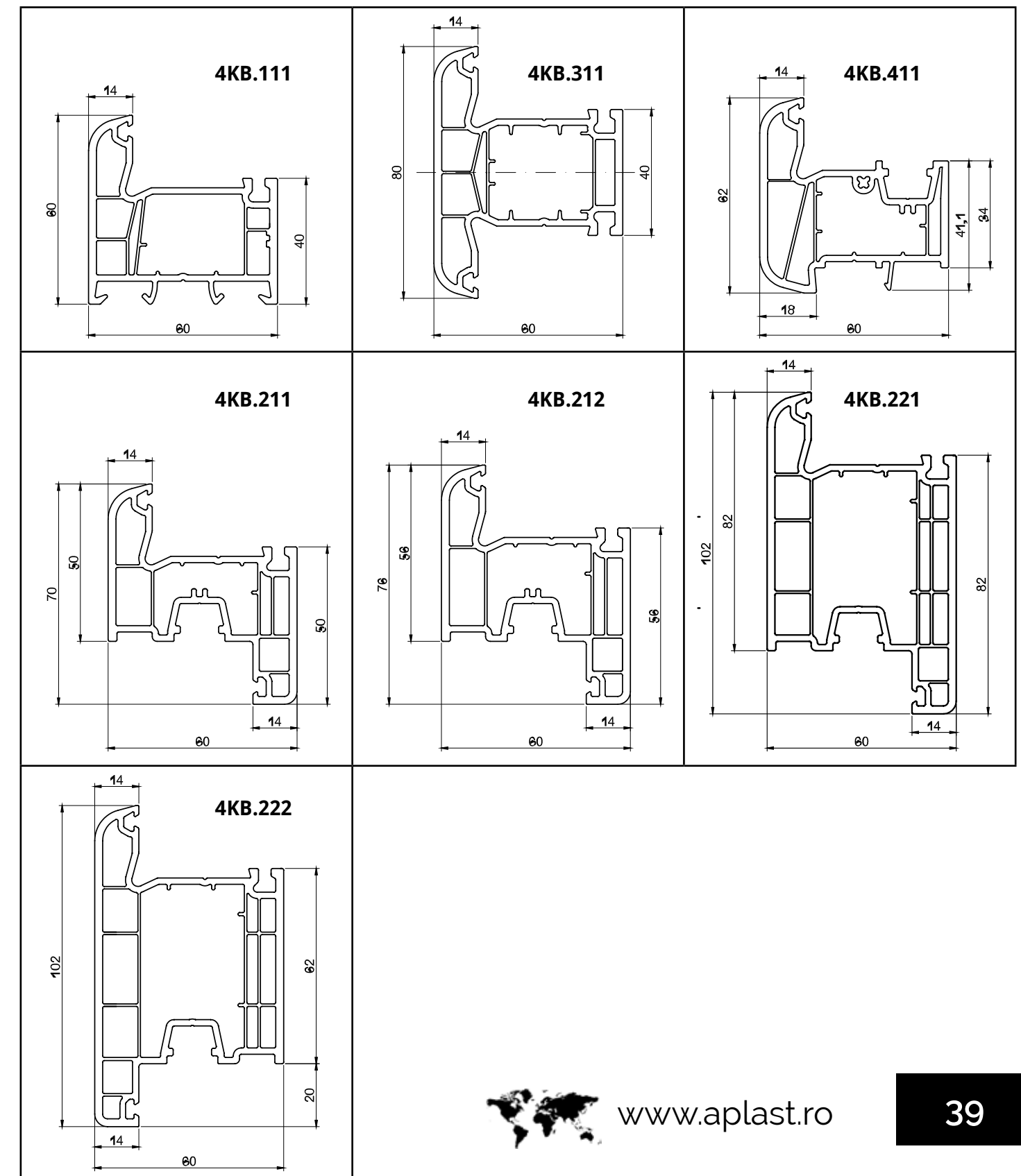
Soundproofing



Economy

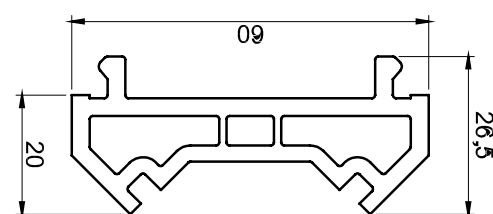


APLAST 60 Profile sections

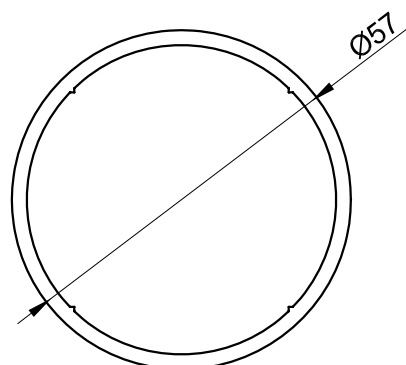


APLAST 60

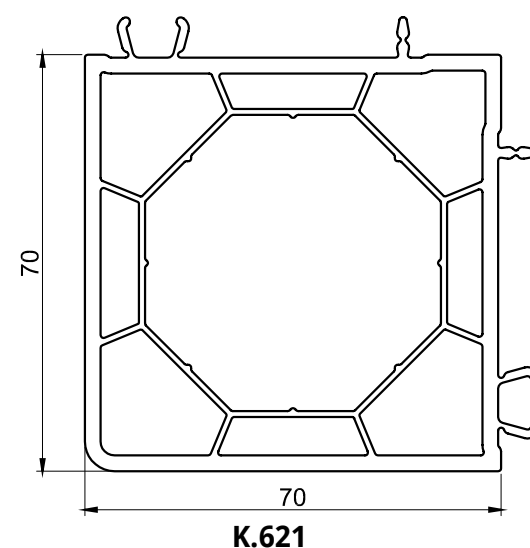
Angle change profiles



4K.618



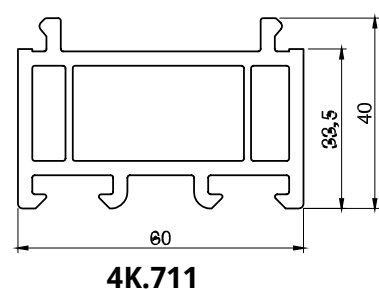
4K.616



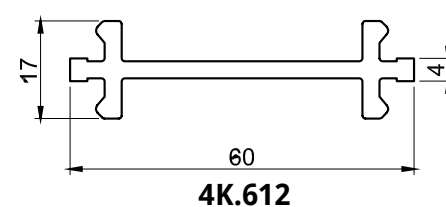
K.621

APLAST 60

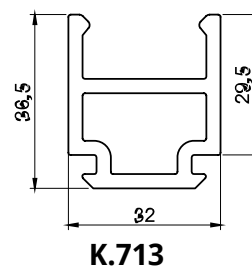
Extension, Solbank, jointing rod



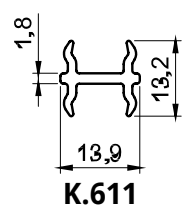
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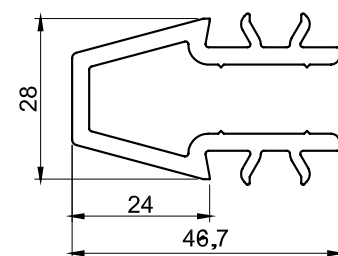
4K.612



K.713



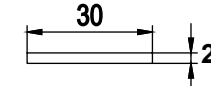
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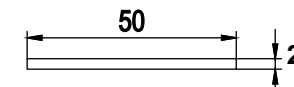
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Accessories - flat and angled

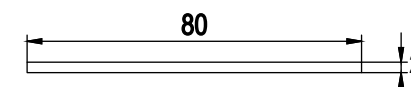
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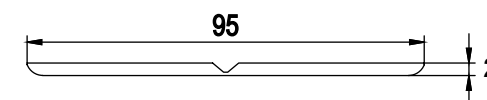
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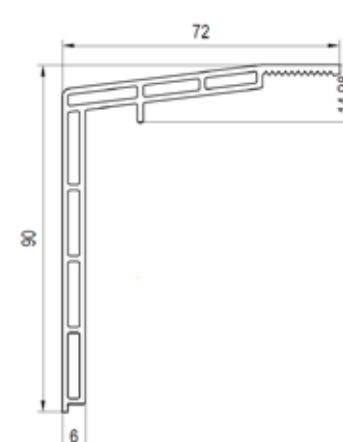
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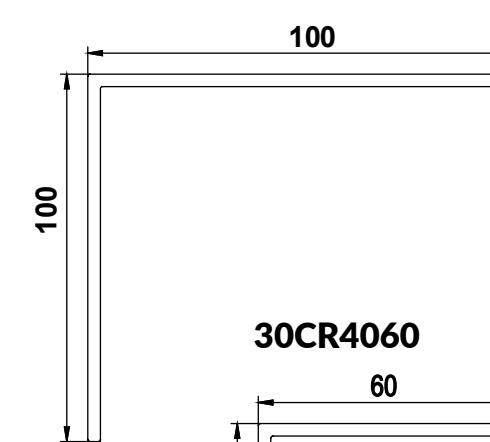


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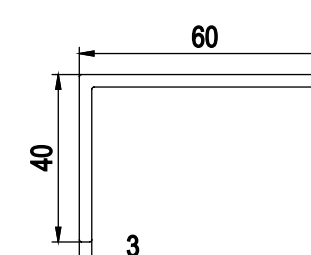


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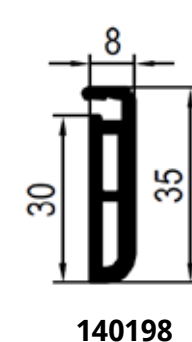
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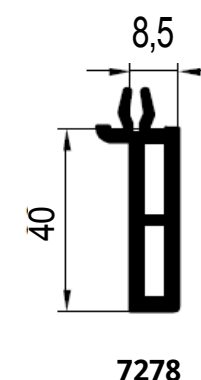
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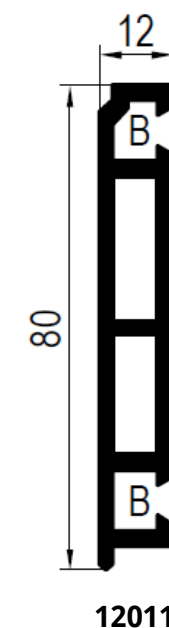
Accessories cover rulers



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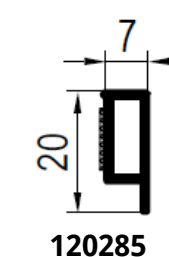


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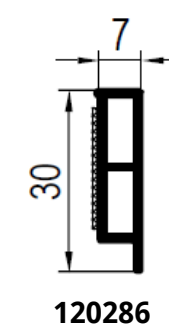


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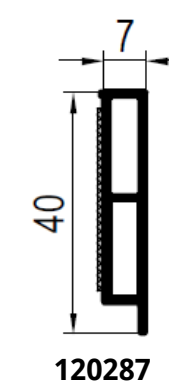
Accessories with adhesive



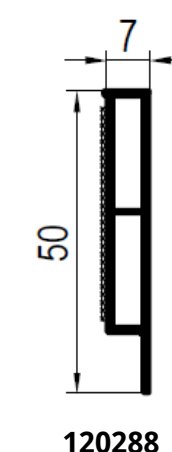
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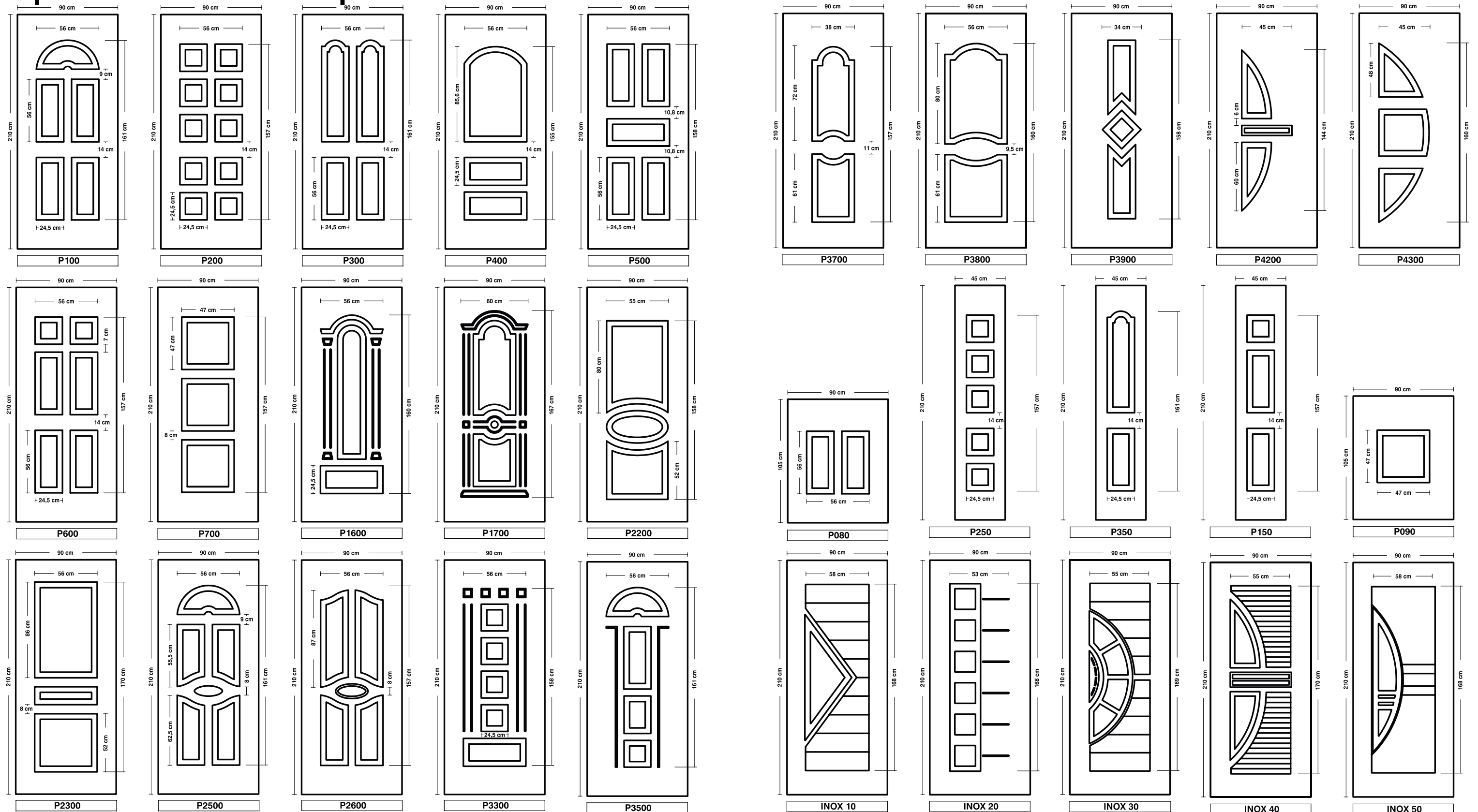


120287



120288

Aplast decorative panels



Types of glass

Configuration	Thickness (mm)	Decibels	Heat transfer
24mm DP PLUS 4+14+331 DUPLEX (Arg) WE	24	32	1.1
24mm DP PLUS 4+14+331 DUPLEX (Arg)	24	32	1.1
24mm DUPLEX 331+12+331 LOWE (Arg) WE	24	34	1.3
24mm DUPLEX 331+12+331 LOWE (Arg)	24	34	1.3
24mm DUPLEX 441+8+441 LOWE (Arg)	24	35	1.7
24mm FLOAT 4+14+331 LOWE (Arg) WE	24	33	1.1
24mm FLOAT 4+14+331 LOWE (Arg)	24	33	1.1
24mm REFLEXIVE BZ 5+10+442 DUPLEX (Arg)	24	34	2.7
24mm REFLEXIVE BZ 5+12+331 DUPLEX (Arg)	24	33	2.7
24mm REFLEXIVE BZ 5+12+331 LOWE (Arg) WE	24	33	1.3
24mm REFLEXIVE BZ 5+12+331 LOWE (Arg)	24	33	1.3
24mm BLASTED 4+14+331 LOWE (Arg) WE	24	33	1.1
24mm BLASTED 4+14+331 LOWE (Arg)	24	33	1.1
28mm DUPLEX 331+16+331 LOWE (Arg) WE	28	35	1.1
28mm DUPLEX 331+16+331 LOWE (Arg)	28	35	1.1
28mm DUPLEX BLASTED 331+16+331 LOWE (Arg) WE	28	35	1.1
28mm DUPLEX BLASTED 331+16+331 LOWE (Arg)	28	35	1.1
28mm FLOAT4+18+331 LOWE (Arg) WE	28	33	1.1
28mm FLOAT4+18+331 LOWE (Arg)	28	33	1.1
28mm BLASTED 4+18+331 LOWE (Arg) WE	28	33	1.1
28mm BLASTED 4+18+331 LOWE (Arg)	28	33	1.1
32mm DP PLUS 4+8+6 FLOAT+8+331 DUPLEX (Arg)	32	34	1.3
32mm DUPLEX 331+6+6 LOWE+8+331 LOWE (Arg)	32	36	1.1
32mm DUPLEX 331+20+331 LOWE (Arg) WE	32	34	1.1
32mm DUPLEX 331+20+331 LOWE (Arg)	32	34	1.1
32mm DUPLEX 441+16+441 LOWE (Arg) WE	32	37	1.1
32mm DUPLEX 441+16+441 LOWE (Arg)	32	37	1.1
32mm DUPLEX SL 442+14+441 LOWE (Arg) WE	32	43	1.1
32mm DUPLEX SL 442+14+441 LOWE (Arg)	32	43	1.1
32mm DUPLEX SL 442+16+331 LOWE (Arg) WE	32	42	1.1
32mm DUPLEX SL 442+16+331 LOWE (Arg)	32	42	1.1

Configuration	Thickness (mm)	Decibels	Heat transfer
32mm FLOAT 4+8+6 LOWE+8+331 DUPLEX (Arg)	32	36	1.3
32mm BLASTED 4+8+6 LOWE+8+331 DUPLEX (Arg)	32	36	1.3
44mm DP PLUS 4+14+6 FLOAT+14+331 LOWE (Arg) WE	44	34	0.6
44mm DP PLUS 4+14+6 FLOAT+14+331 LOWE (Arg)	44	34	0.6
44mm DUPLEX 331+14+6 FLOAT+12+331 LOWE (Arg) WE	44	36	1
44mm DUPLEX 331+14+6 FLOAT+12+331 LOWE (Arg)	44	36	1
44mm DUPLEX 331+14+6 LOWE+12+331 LOWE (Arg) WE	44	36	0.7
44mm DUPLEX 331+14+6 LOWE+12+331 LOWE (Arg)	44	36	0.7
44mm DUPLEX BLASTED 331+14+6 LOWE+12+331 LOWE (Arg) WE	44	36	0.7
44mm DUPLEX BLASTED 331+14+6 LOWE+12+331 LOWE (Arg)	44	36	0.7
44mm DUPLEX SL 442+10+6 LOWE+10+442 DUPLEX SL (Arg)	44	46	1.1
44mm FLOAT 4+14+6 LOWE+14+331 LOWE (Arg) WE	44	34	0.6
44mm FLOAT 4+14+6 LOWE+14+331 LOWE (Arg)	44	34	0.6
44mm REFLEXIVE BZ 5+14+6 LOWE+12+331 DUPLEX (Arg) WE	44	34	0.9
44mm REFLEXIVE BZ 5+14+6 LOWE+12+331 DUPLEX (Arg)	44	34	0.9
44mm BLASTED 4+14+6 FLOAT+14+331 LOWE (Arg) WE	44	34	0.9
44mm BLASTED 4+14+6 FLOAT+14+331 LOWE (Arg)	44	34	0.9

Surface restrictions

Typology	Double glazing	Kilogram / m ²	Maximum surface
Simple	6	15	2.5 mp
	4 + 4	20	2.0 mp
Double glazing	6 + 4	25	2.5 mp
	6 + 6	30	2.8 mp
	33.1 + 4	25	2.0 mp
	33.1 + 6	30	2.0 mp
	33.1 + 33.1	30	2.0 mp
Geam tripan	6+4+4	40	2.0 mp
	6+6+4	45	2.5 mp

M11000



Technical characteristics

Jamb width	62,5 mm
Sash width	70 mm
Minimum visible area	70 mm
Minimum visible surface profile "T"	70 mm
Maximum sash weight	Up to 180 Kg
Thermal insulation glass thickness	Up to 59 mm
Thermal bridge break	24 mm Polyamide

SMARTIA M11000 is a turn carpentry system, with thermal bridge break, which can satisfy the most demanding needs, thanks to a wide variety of solutions and designs.

- Basic system width 62.5 mm.
- Possibility of making types with hidden sash or horizontal swivel windows.
- Possibility to make any types of access doors.
- Wide range of profiles with a straight, rounded, chamfered, classic look.
- Possibility of mounting both European chamber hardware and 16 mm hardware.
- The system allows the installation of thermal insulation windows with a thickness of up to 59 mm, and the system sashes support a weight of up to 180 kg (with hidden hinges).
- Sound attenuation up to 46dB, certified by the IFT Rosenheim Institute.
- System certified by the IFT Rosenheim and AAMA institutes.



S350



Smartia S350 is a system for aluminum sliding doors with thermal break, flexible and modern with a linear design. Ideal for refurbishments or renovations due to its simplicity of construction.

- System door thickness of 35 mm
- Minimum visible control width of only 50 mm for maximum visibility and natural lighting.
- Easy movement thanks to stainless steel guides.
- Special frame with anti-distortion polyamide of dark colored structures to avoid the banana effect.
- Flexibility with a wide range of different types and mechanisms.
- Maximum glass thickness up to 24 mm with a capacity of up to 120 kg.
- System performance certified by the Rosenheim IFT Institute



Sliding technical features in aluminum Smartia s350

Width of visible aluminum surface: 116.1 mm

- Jamb height: 45 mm
- Frame thickness: from 81.5 / 92 / 113.5 / 128.5 / 143 mm
- Door height: 85 mm
- Door thickness: 35 mm
- Width of the central pillar: 50mm / 88.5mm
- Door capacity up to 120 kg
- Glass thickness: 24 mm
- Insulation: 24 mm polyamide

Aluminum sliding (moving) performance

- Thermal insulation EN ISO 10077-2: $U_f = 2.89 - 5.33$
- W / m^2K | $U_w = 1.89 W / m^2K$ (per dimension structure of 3.0X2.2m and $U_g = 1.30 W / m^2K$)
- Air tightness EN 12207: Class 3
- Water tightness EN 12208: Class 6A
- Wind load resistance EN 12210: Class C2 / B3

S560

S560 is a slide and lift system made of robust aluminum, which offers a very high level of thermal insulation, flexibility in installation and is ideal for very large and wide openings.

The flexibility consists in the fact that constructions with very small to very large openings can be made. A high level of quality is ensured due to the robust profile and the good connection between the profile and the frame.

- Door profile width of 56 mm.
- The doors slide silently on trolleys fixed on stainless steel guides
- Possibility to use a lifting mechanism with a weight of the sash from 90 to 300 Kg.
- Possibility of closing in several points.
- High level of thermal insulation: U_f from 3.2 to 4.3 W / m²K.
- All types of sliding opening systems are possible

Technical characteristics

The width of the section for the door 56 mm

The width of the visible section of the frame is 128mm

Sectional dimensions

- Frame height: 45 mm
- Door height: 86 mm
- Weight of the sash: from 90 to 300 Kg
- Glass thickness: from 28 to 40 mm
- Thermal insulation: 24 mm polyamide for the frame and 16-24 mm for the door.

Performanta sistemului

- U_f thermal transfer from 3.2 to 4.3 W / m²K
- $U_w = 1.7W / m^2K$ with $U_g = 1.1$ for joinery dimensions of 3.0 x 2.5 m
- $U_w = 1.8W / m^2K$ with $U_g = 1.1$ for joinery dimensions of 3.0 x 2.2

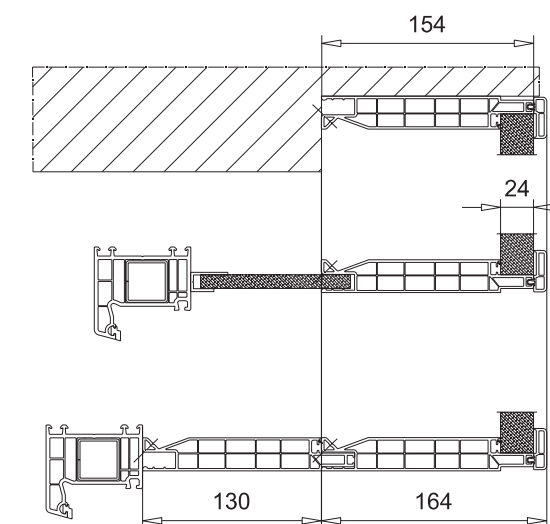
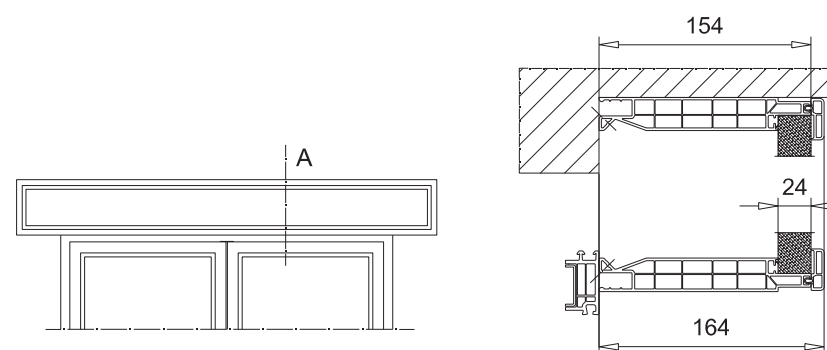
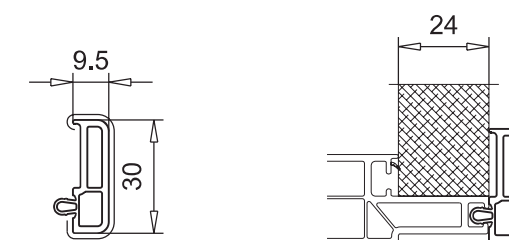
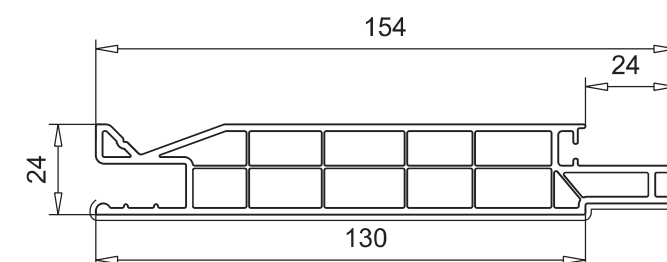


VEKA renovation boxes



Restoration boxes are the ideal product for replacing old wooden boxes.

Made of PVC to ensure rigidity and durability over time, they are perfectly matched with the color of Aplast windows, to create a perfect harmony of interiors.



Roller shutter



Functionality:

- Applications for existing buildings and new buildings
- Components with an elegant aesthetic appearance
- Possibility to use the anti insect net system

Two types of box:

Applied, electrostatically painted extruded aluminum

- Box dimensions: 137, 165, 180
- Aluminum guides

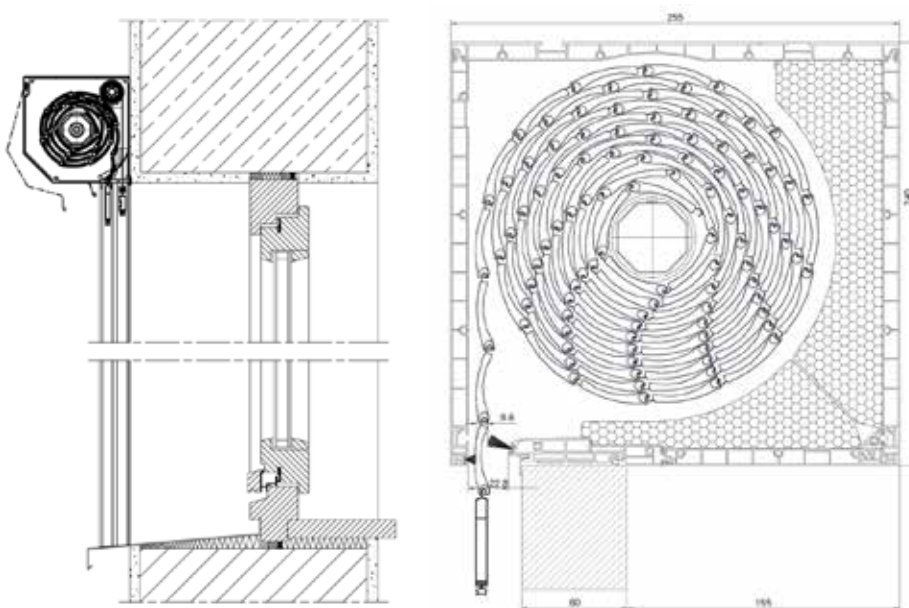
Superimposed, made of PVC with thermal insulation, white or foliated..

- Box dimensions: 137, 165, 180
- Aluminum guides

Aluminum blades of different sizes: 39, 45, 55, 77 mm

Advantages:

- Possibility to equip with two types of actuation:
 - Manual - with cord, ribbon, crank or spring
 - Electric - with motor, Somfy, with remote control or switch
- Thermal insulation (winter and summer)
- Anti-burglary solution
- Wide color palette



Client: _____

Order: _____

Estimate: _____

Customer reference: _____

Assembler: _____

Quantity: _____

Position:

☐ Toilet

☐ Living room

☐ Other: _____

☐ Kitchen

☐ Office

☐ Dining room

☐ Room: _____

System ☐ A 60

☐ A 70

☐ A 70 Plus

Window:

☐ Float 4/16/4 Low E (Arg)

☐ Float 4/16/Low E4/16/4 Low E (Arg)

☐ VEKA 70

☐ VEKA 76

☐ VEKA 82

☐ DP 4/16/4 Float (Arg)

☐ DP 4/16/Low E4/16/4 Low E (Arg)

☐ Sun 4/16/4 Float (Arg)

☐ Sun 4/16/Low E4/16/4 Low E (Arg)

Veka sash tpe:

VEKA 70
VEKA 76
VEKA 82
☐ Z59

☐ Z59

☐ Z59

☐ Z84

☐ Z89

☐ Z84

☐ T105

☐ T114

☐ T114

☐ Z99

☐ Z100

☐ T120

☐ T125

Width:

Height:

Info height:

Battlement: _____

Handle height

☐ Standard (in the middle of the window) (1050mm for doors)

☐ Height: _____

Lock:

☐ Classic lock

☐ Europa

☐ MR2

☐ MR4

☐ SH2

☐ SH4

☐ Automatic

Pfostenart Aplast:

A60
A70
A70Plus
☐ Z56

☐ Z56

☐ Z57

☐ Z82

☐ Z82

☐ Z73

☐ T102

☐ T102

☐ Z86

☐ T106

PSU :

☐ PSU for right angle

☐ PSU for variable angle

Handle

☐ Interior:

Color:

☐ White

☐ Golden

☐ Brown

☐ Bronze

☐ Silver

☐ Secustik

☐ Exterior

Color:

☐ White

☐ Golden

☐ Brown

☐ Bronze

☐ Silver

☐ Secustik

☐ Extra flat handle

☐ White

☐ Brown

Other door options:

☐ Horn handle

☐ Stainless steel handlebar grip

☐ Shock absorber

Sizes / measurements / inside view!

Remarks:

Window bars:

☐ Glass interior8mm

☐ Glass interior8mm
Color _____

☐ Applied inside 26mm
Color _____

☐ Applied outside26mm
Color _____

Ventilation grille:

☐ AERECO

☐ White/Colour _____

Overlapping rollers

☐ 170 ☐ 210 ☐ 240

Colour:

☐ White RAL 9016

☐ Anthracite gray RAL 7016

☐ _____ Other RAL

Page

_____/_____/_____



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