

# Product Catalogue



# Advantages of cooperating with us:

## TIMELINESS AND RELIABILITY

We respect our Clients' time, which is why we always meet agreed deadlines for completion. Our reliability and professionalism have earned the trust of many customers, as confirmed by numerous positive reviews.

## THE HIGHEST PRODUCT QUALITY

Our products are made from the best available materials, ensuring their durability and aesthetics for many years. Thanks to the use of modern production technologies, we offer solutions with excellent thermal and acoustic insulation parameters.

## INDIVIDUAL APPROACH TO THE CLIENT

We treat each project with full attention, adapting products to the specific needs and requirements of the Client. Our offer includes a wide choice of joinery, available in various styles, colours and sizes, so that it perfectly complements the architecture of your space.

## PROFESSIONAL ADVICE AND SUPPORT

Our team of experts is available at every stage of the process – from assistance in choosing the right solutions, through precise measurements, to installation. This ensures that you receive a product perfectly tailored to your needs.

## ATTRACTIVE, COMPETITIVE PRICES

We strive to offer products of the highest quality at affordable prices. Our regular market analyses allow us to ensure the best value for money.

## WARRANTY AND AFTER-SALES SUPPORT

The Monolit product range is covered by a full warranty. In the event of any questions or issues, you can rely on our after-sales service, which provides quick and professional support.

## Dear Clients,

It is with great pleasure that I present to you this catalogue, which showcases the wide range of products offered by Monolit. It has been prepared with the aim of presenting the best solutions in the field of PVC joinery, aluminium, sliding systems, sills and many other products meeting the highest quality standards.

Every product you will find in this catalogue is the result of the work of our team of professionals – their knowledge, passion and many years of experience.

Monolit, constantly developing its competences, has for years been delivering solutions that not only meet but often exceed the expectations of our Clients.

Carefully selected materials, advanced technologies and attention to the smallest details ensure that our product range is exceptionally durable, functional and aesthetically pleasing.

I am convinced that in the presented offer you will find products that perfectly meet your needs and requirements.

Trust proven solutions – with Monolit you choose quality, reliability and professionalism.

With kind regards,

*Godlewski Michał*



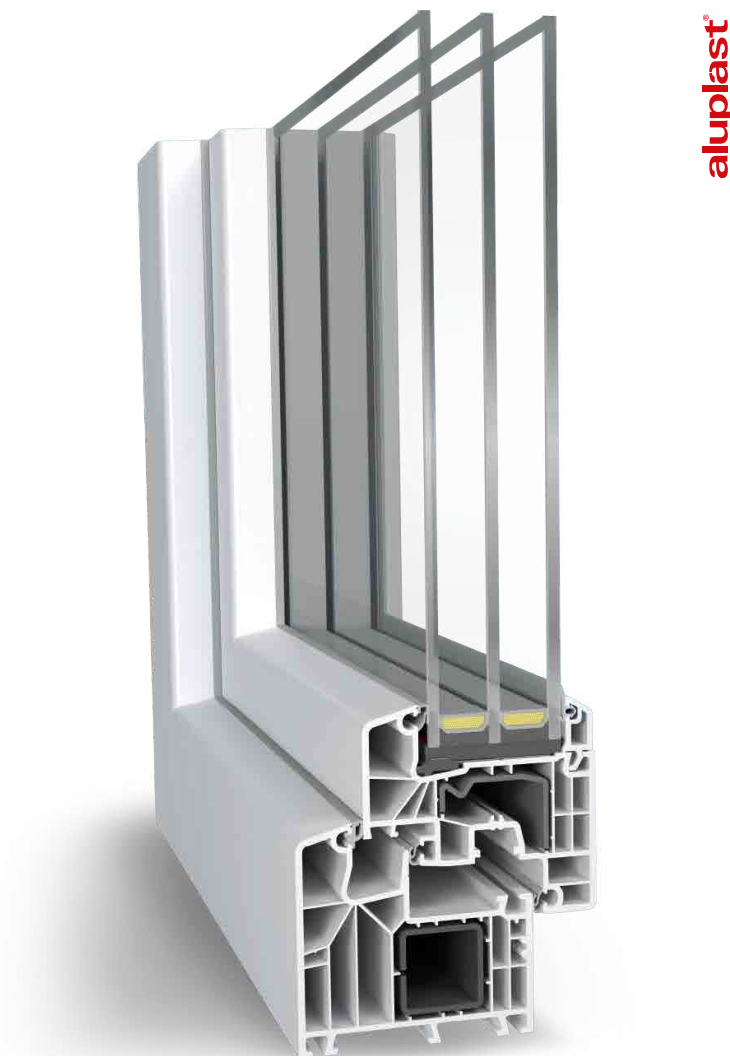
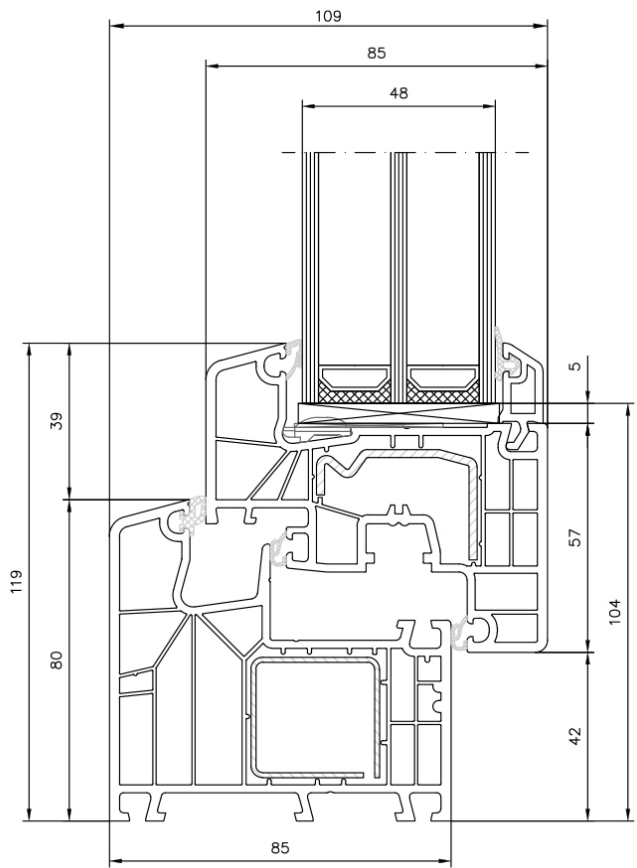
By choosing the **Monolit** offer, you gain the certainty that you will receive products of the highest quality and professional support at every stage of your project. Your satisfaction is our priority.

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aluplast®

# IDEAL 8000

## HIDDEN POWER OF TECHNOLOGY

IDEAL 8000 is a combination of the most modern technical solutions to achieve above-standard performance, guaranteeing warmth, silence, security and exceptional window aesthetics.

It is an excellent choice for everyone who expects top-level living comfort.

<b>W/m²K</b>	<b>0.75*</b>
number of chambers	<b>6</b>
number of gaskets	<b>3</b>
installation depth	<b>85</b>

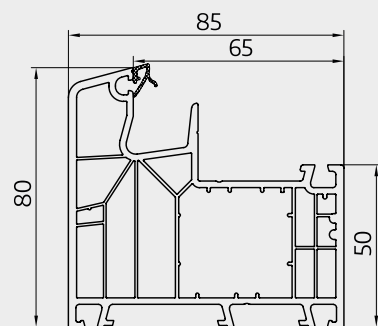
+ ALUMINIUM CLADDING OPTION AVAILABLE

glazing packages (mm)	<b>48</b>
V-Perfect weld	<b>V</b>
Roto [ 5 anti-burglary locking points ]	<b>NX</b> Premium

\*For a reference window sized 12301480mm, Ug = 0.5 W/m²K

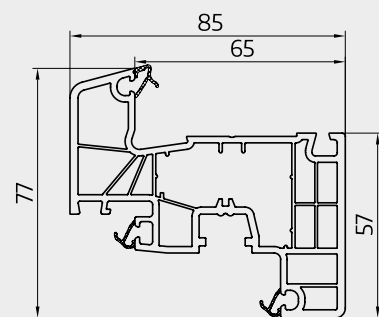


180x05



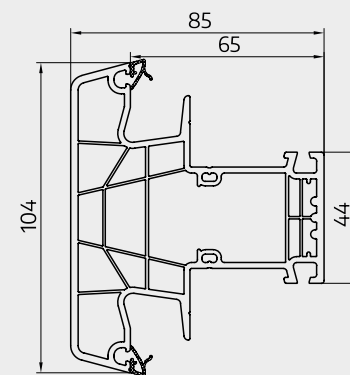
## SASH PROFILE

160x20



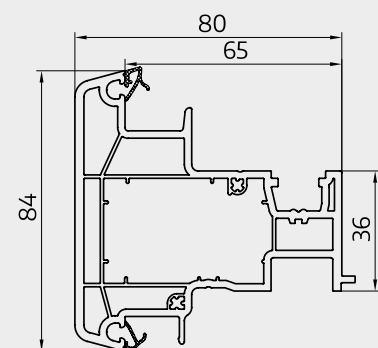
## FIXED MULLION

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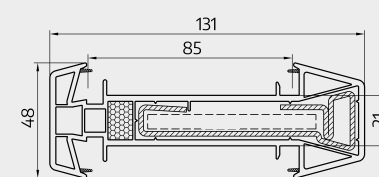
## FLYING MULLION

180x66



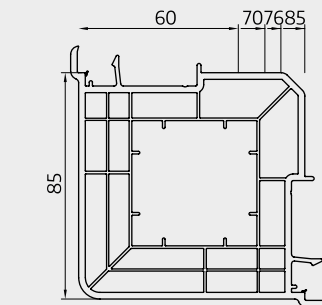
## STATIC CONNECTOR

180218



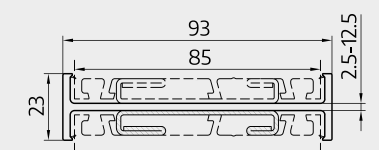
## CORNER CONNECTOR

160248



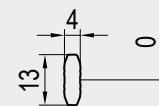
## FRAME CONNECTOR

180267



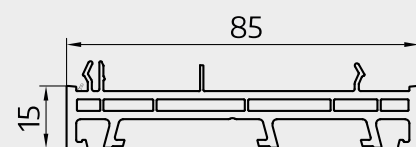
## CONNECTING STRIP

120116



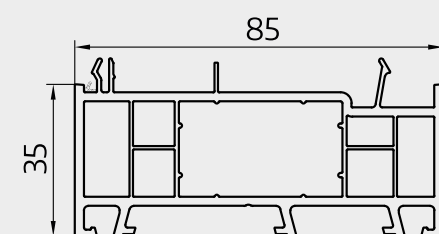
### EXTENSION PROFILE 15 MM

180209



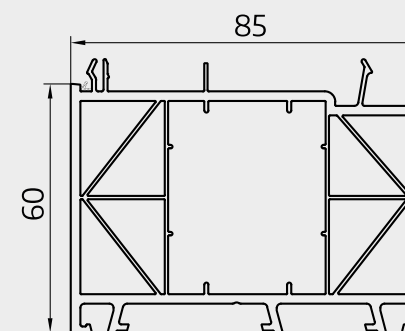
### EXTENSION PROFILE 35 MM

180201



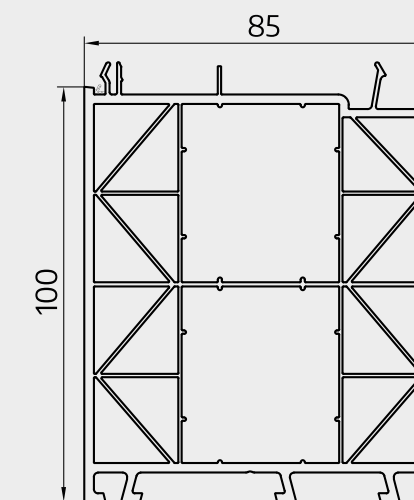
### EXTENSION PROFILE 60 MM

180203



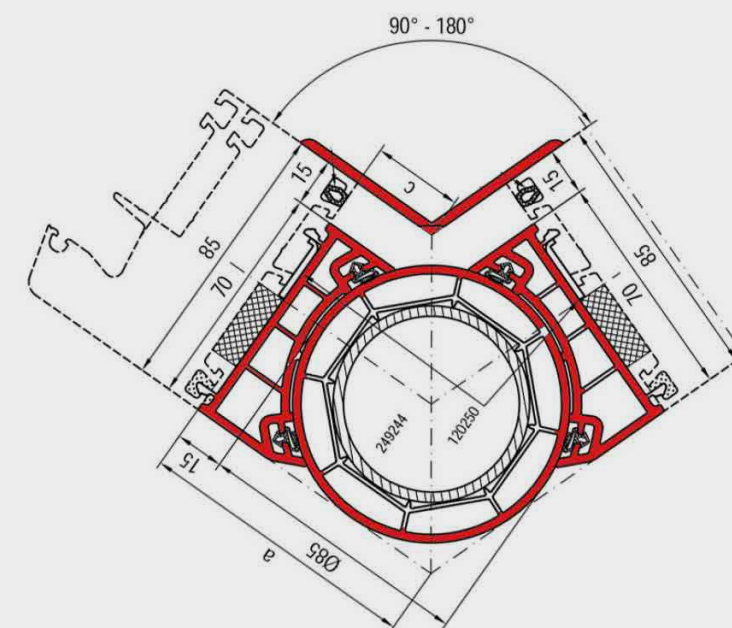
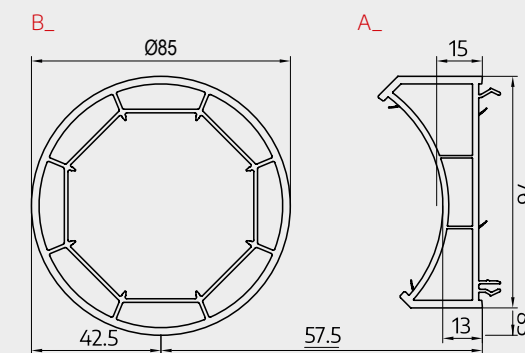
## EXTENSION PROFILE 100 MM

180204



## TUBULAR CONNECTOR

A\_160243 / B\_140244



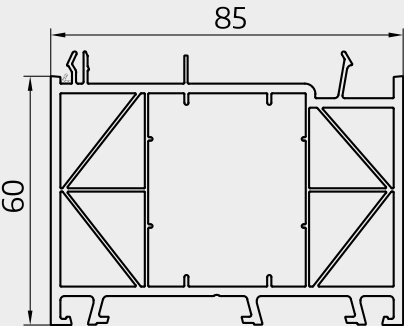
## DIMENSIONS

for:		85 mm
$\beta(^{\circ})$	a (mm)	c (mm)
90 °	100.0	15.0
95 °	96.4	18.6
100 °	93.2	21.8
105 °	90.1	24.9
110 °	87.3	27.7
115 °	84.6	30.4
120 °	82.0	33.0
125 °	79.6	35.4
130 °	77.3	37.7
135 °	75.1	39.9
140 °	73.0	42.0
145 °	70.9	44.1
150 °	68.9	46.1
155 °	66.9	48.1
160 °	65.0	50.0
165 °	63.1	51.9
170 °	61.2	53.8
175 °	59.4	55.6
180 °	57.5	57.5



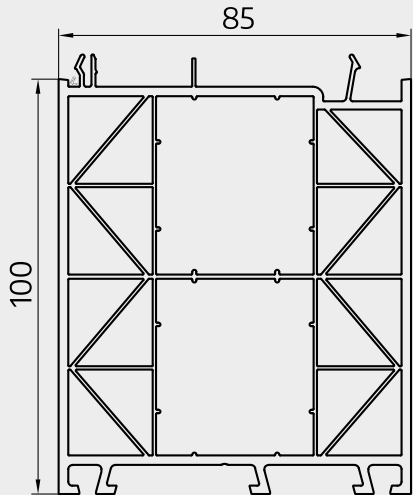
EXTENSION PROFILE 60 MM

180203



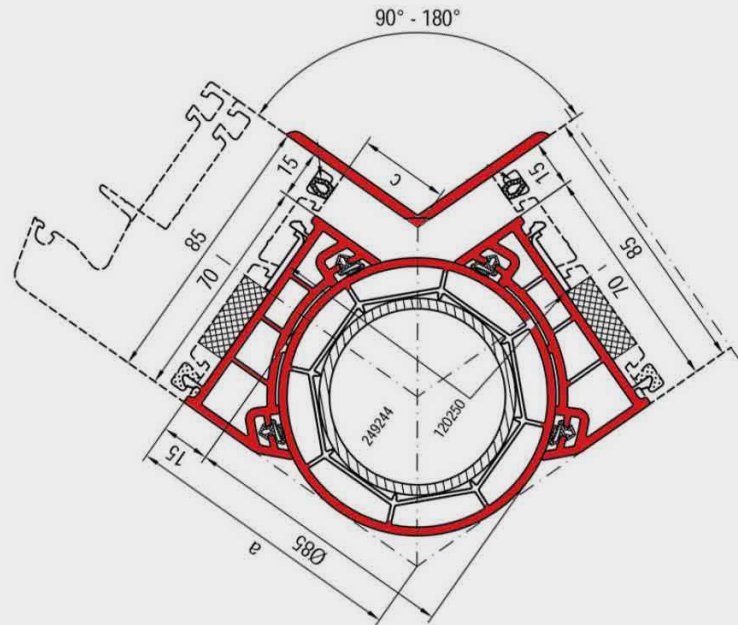
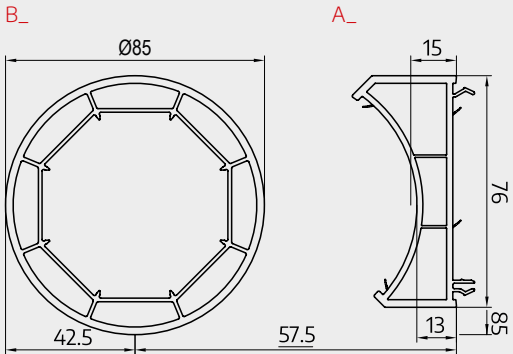
EXTENSION PROFILE 100 MM

180204



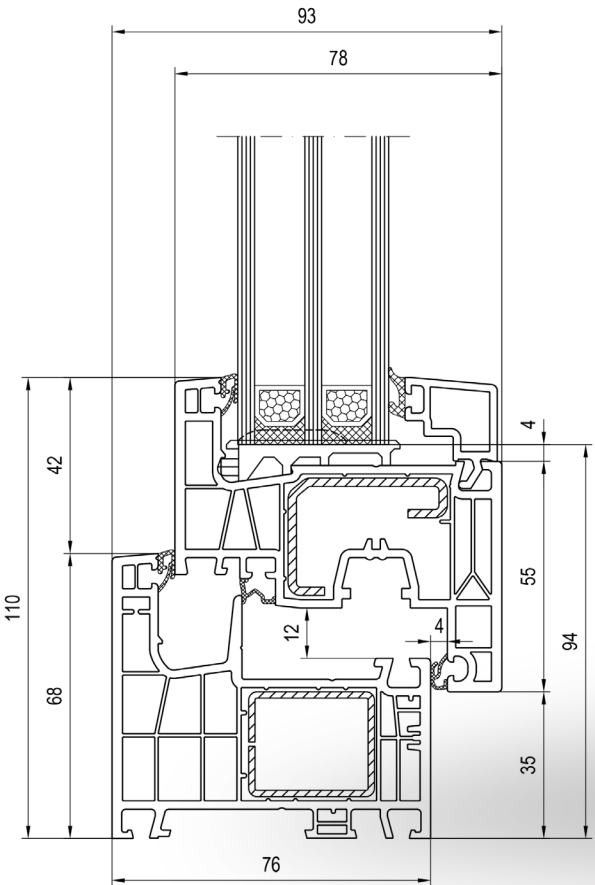
TUBULAR CONNECTOR

A\_160243 / B\_140244



DIMENSIONS

for:		85 mm
$\beta(^{\circ})$	a (mm)	c (mm)
90 °	100.0	15.0
95 °	96.4	18.6
100 °	93.2	21.8
105 °	90.1	24.9
110 °	87.3	27.7
115 °	84.6	30.4
120 °	82.0	33.0
125 °	79.6	35.4
130 °	77.3	37.7
135 °	75.1	39.9
140 °	73.0	42.0
145 °	70.9	44.1
150 °	68.9	46.1
155 °	66.9	48.1
160 °	65.0	50.0
165 °	63.1	51.9
170 °	61.2	53.8
175 °	59.4	55.6
180 °	57.5	57.5



# IDEAL NEO MD

## SIMPLE STRUCTURES AND MINIMALIST DESIGN

IDEAL NEO MD is an exceptionally visually attractive proposal for customers who appreciate timeless styling. A simple, symmetrical, cubist shape is the distinguishing feature of windows made in this system.

The IDEAL NEO MD system was inspired by the Bauhaus style. This style once revolutionised architecture. A simple and beautiful design for everyone. A lot of light and a connection between the interior and the exterior elements.

W/m²K	0.78*
number of chambers	6
number of gaskets	3
installation depth	76

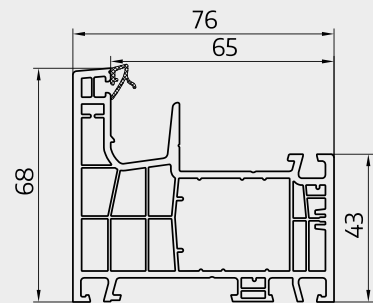
glazing packages (mm)	48
V-Perfect weld	V
Roto	NX

+ RENOVATION OPTION AVAILABLE

\*For a reference window sized 12301480mm, Ug = 0.5 W/m²K  
\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.

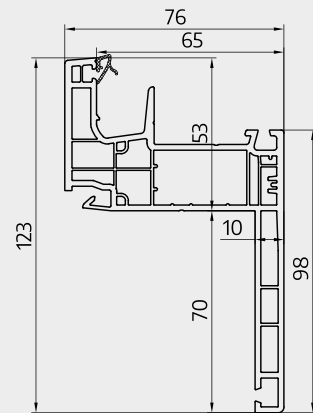
## FRAME PROFILE

160x07



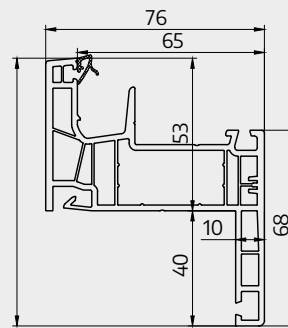
## RENOVATION FRAME

160x09



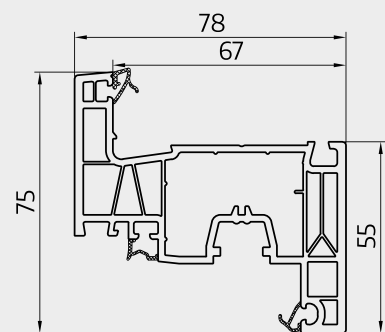
## RENOVATION FRAME 2

160x15



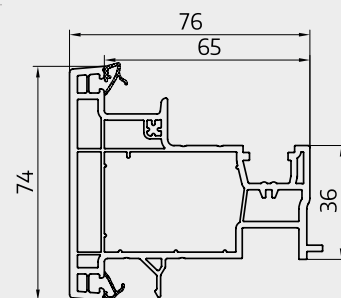
## SASH PROFILE

160x20



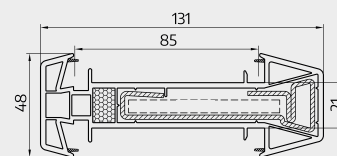
## FLYING MULLION

160x66



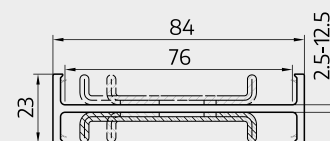
## STATIC CONNECTOR

160218



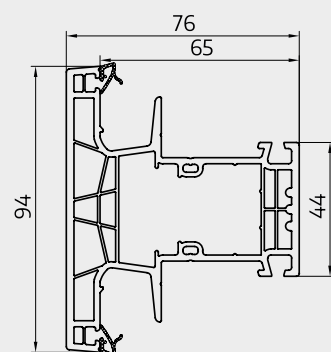
## FRAME CONNECTOR

160267



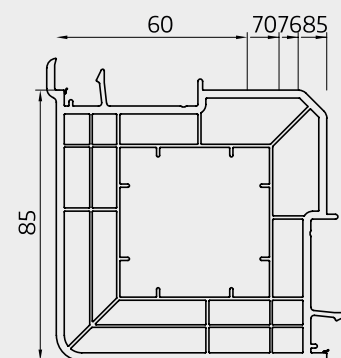
## FIXED MULLION

160x45



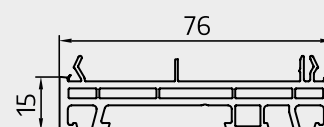
## CORNER CONNECTOR

160248



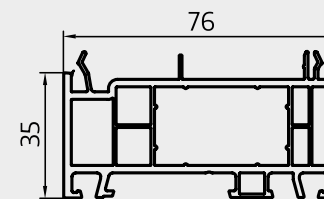
### EXTENSION PROFILE 15 MM

160209



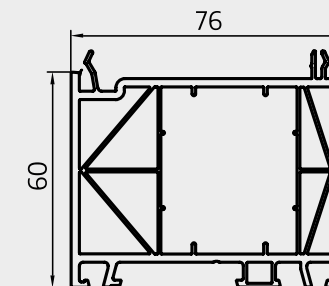
### EXTENSION PROFILE 35 MM

160201



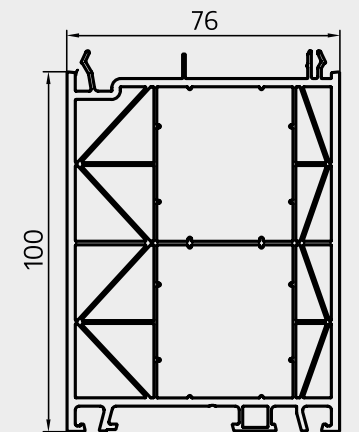
### EXTENSION PROFILE 60 MM

160203



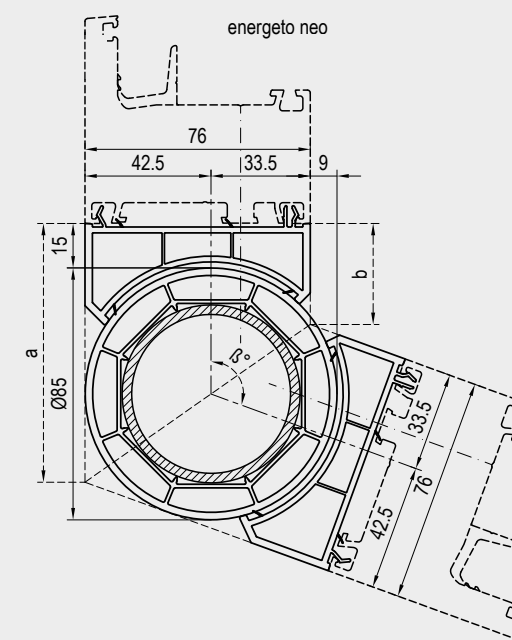
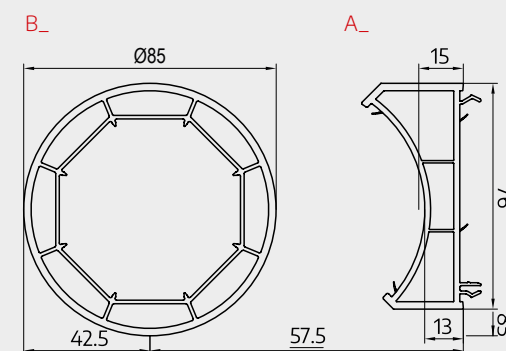
### EXTENSION PROFILE 100 MM

160204



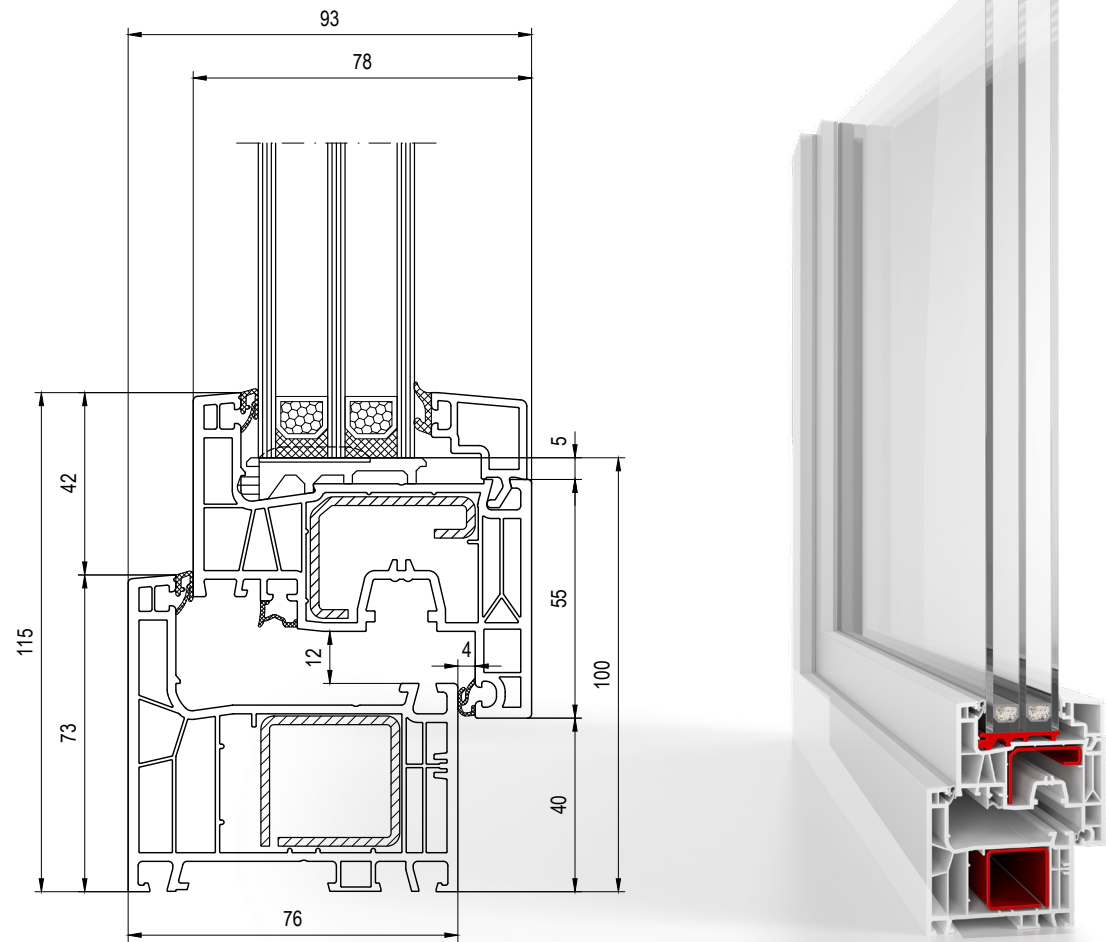
## TUBULAR CONNECTOR

A\_160243 / B\_140244



## DIMENSIONS

for:		76 mm
$\beta(^{\circ})$	a (mm)	b (mm)
90 °	100.0	24.0
95 °	96.4	26.8
100 °	93.2	29.4
105 °	90.1	31.8
110 °	87.3	34.0
115 °	84.6	36.2
120 °	82.0	38.2
125 °	79.6	40.1
130 °	77.3	41.9
135 °	75.1	43.6
140 °	73.0	45.3
145 °	70.9	46.9
150 °	68.9	48.5
155 °	66.9	50.1
160 °	65.0	51.6
165 °	63.1	53.1
170 °	61.2	54.6
175 °	59.4	56.0
180 °	57.5	57.5



# IDEAL NEO AD

## ROBUST TECHNOLOGIES

IDEAL NEO AD is a neatly designed window system with a 76 mm installation depth, delivering excellent thermal and acoustic performance, a wide range of finishes, and robust security features. It is the ideal solution for modern, energy-efficient homes where both quality and design are paramount.

W/m²K

0.79\*

number of chambers	6	glazing packages (mm)	48
number of gaskets	3	V-Perfect weld	V
installation depth	76	Roto	NX

\*For a reference window sized 12301480mm, Ug = 0.5 W/m²K  
\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.

FRAME PROFILE

160x03

SASH PROFILE

160x20

FIXED MULLION

160x41

FLYING MULLION

160x66

STATIC CONNECTOR

160218

CONNECTING STRIP

120116

FRAME CONNECTOR

160267

CORNER CONNECTOR

160248

EXTENSION PROFILE 15 MM

160209

EXTENSION PROFILE 35 MM

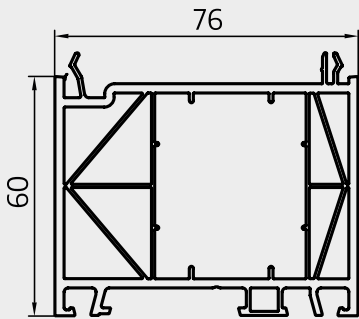
160201





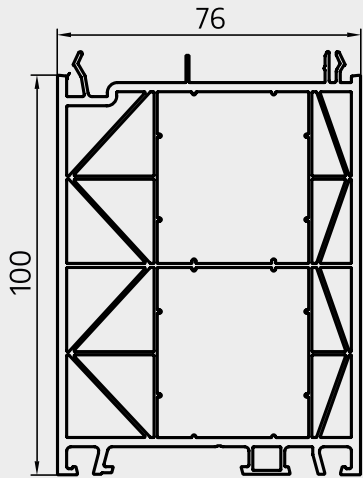
EXTENSION PROFILE 60 MM

160203



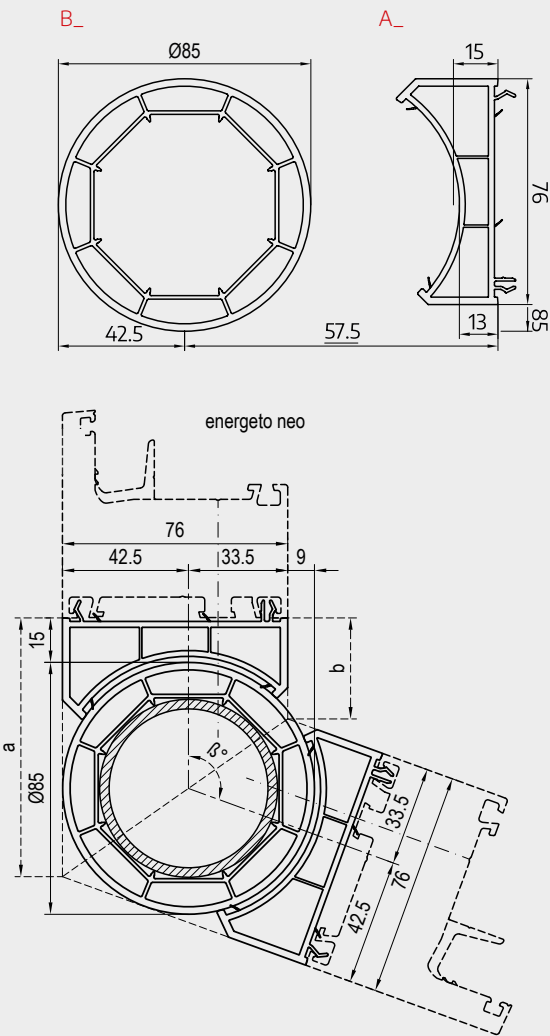
EXTENSION PROFILE 100 MM

160204



TUBULAR CONNECTOR

A\_160243 / B\_140244

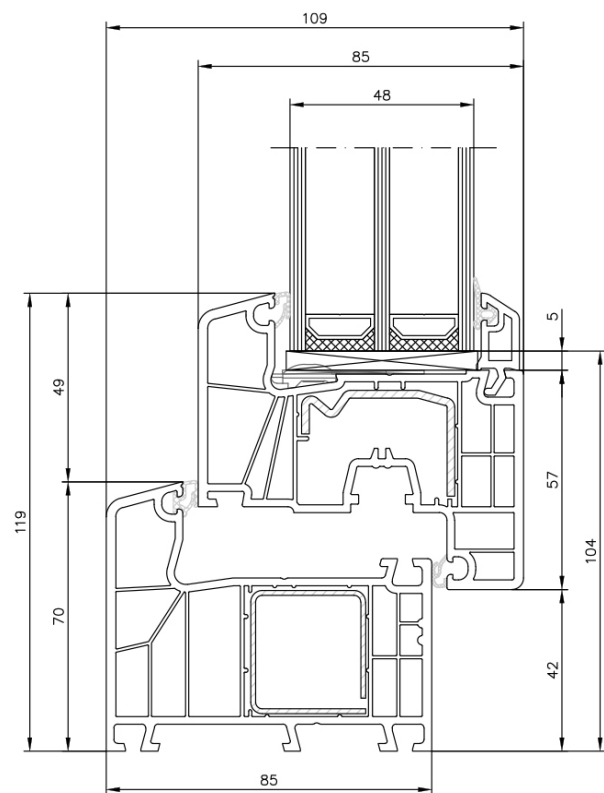


DIMENSIONS

for:		76 mm
β(°)	a (mm)	b (mm)
90 °	100.0	24.0
95 °	96.4	26.8
100 °	93.2	29.4
105 °	90.1	31.8
110 °	87.3	34.0
115 °	84.6	36.2
120 °	82.0	38.2
125 °	79.6	40.1
130 °	77.3	41.9
135 °	75.1	43.6
140 °	73.0	45.3
145 °	70.9	46.9
150 °	68.9	48.5
155 °	66.9	50.1
160 °	65.0	51.6
165 °	63.1	53.1
170 °	61.2	54.6
175 °	59.4	56.0
180 °	57.5	57.5







# IDEAL 7000

## MODERN ARCHITECTURE

IDEAL 7000 exemplifies the synergistic use of profiles and double-glazed units to produce windows with very low thermal transmittance.

The system allows seamless integration of frames with other series of profiles with a depth of 85 mm.

W/m²K

0.78\*

number of chambers

6

glazing packages (mm)

48

number of gaskets

2

V-Perfect weld

V

installation depth

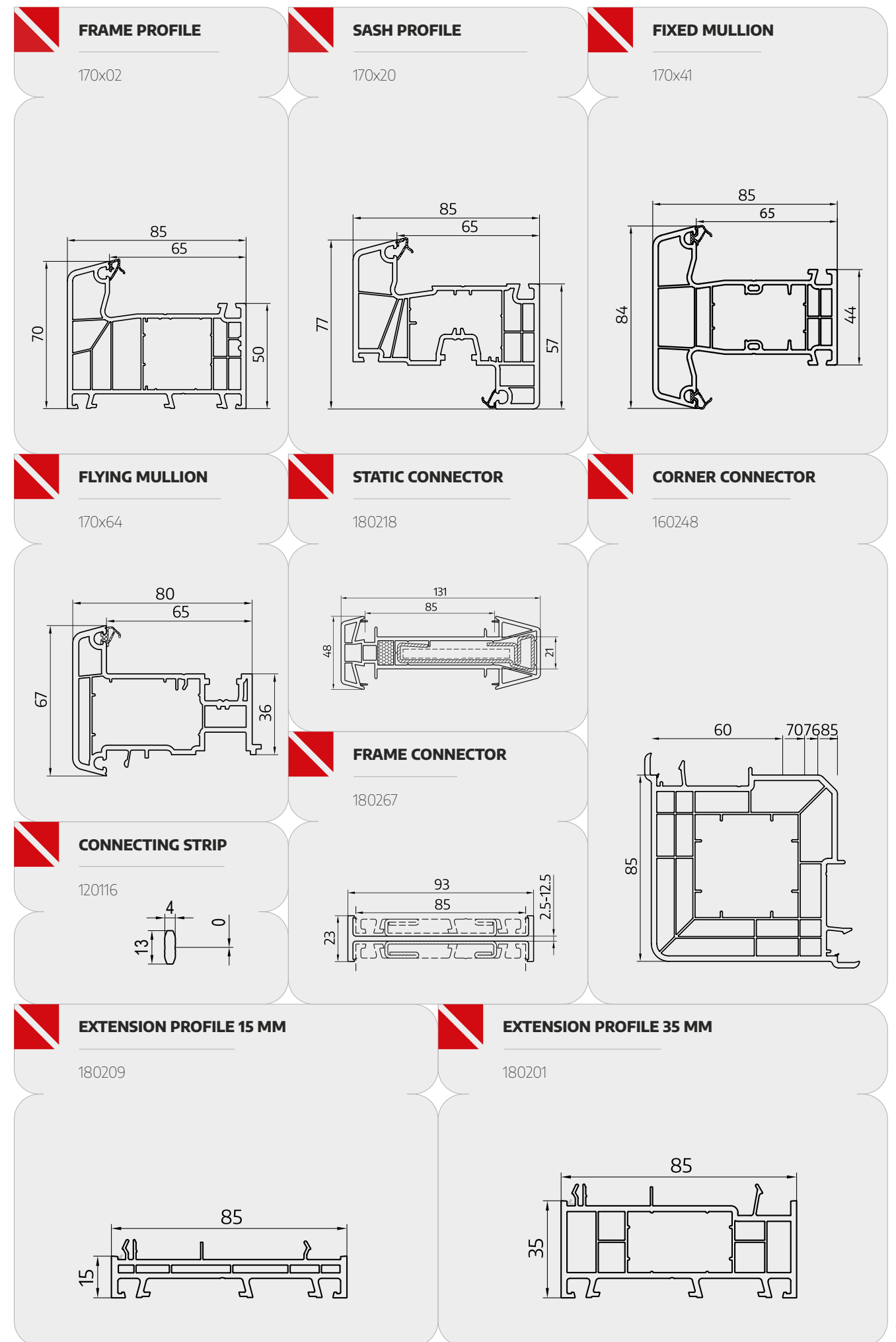
85

Roto

NX

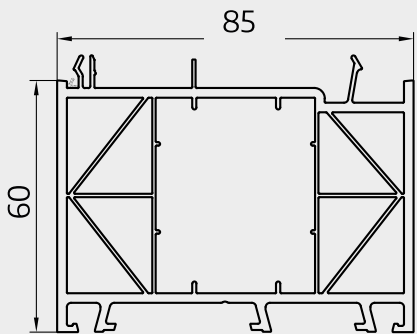
\*For a reference window sized 1230/1480mm, Ug = 0.5 W/m²K

\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.



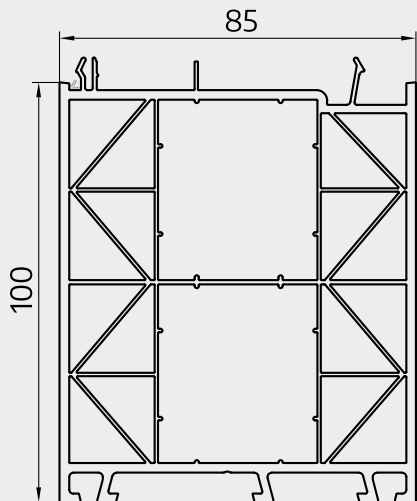
EXTENSION PROFILE 60 MM

180203



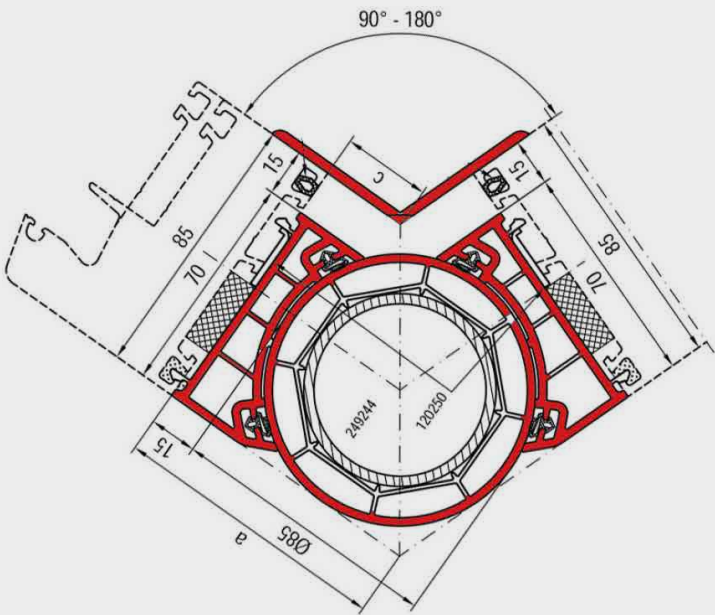
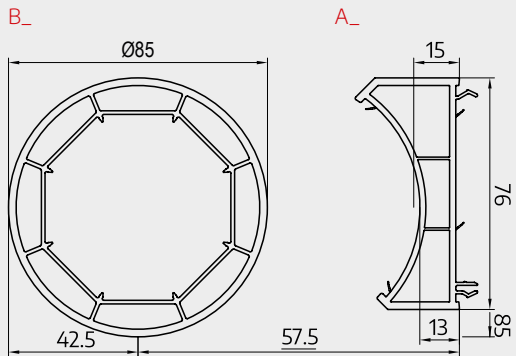
EXTENSION PROFILE 100 MM

180204



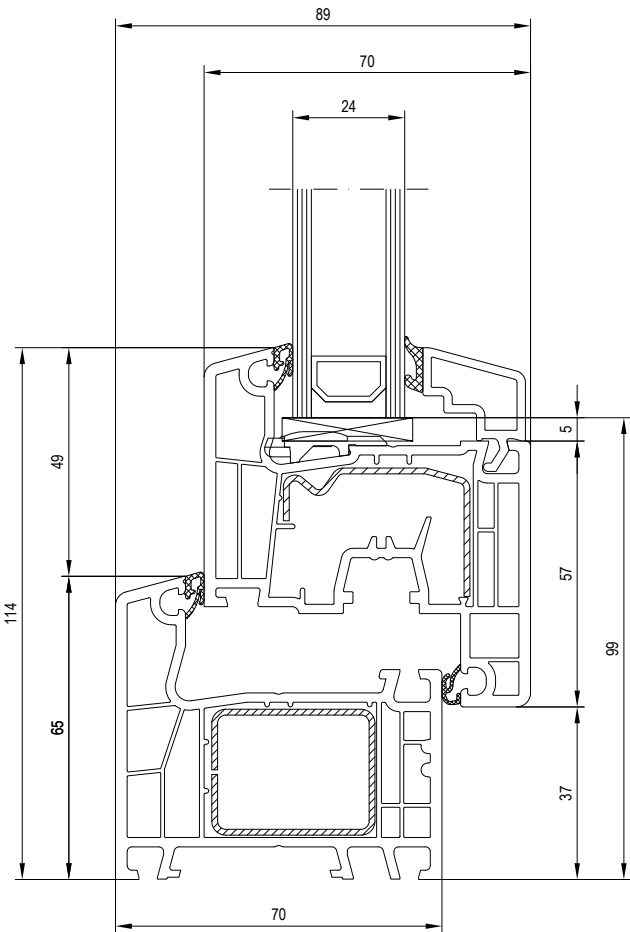
TUBULAR CONNECTOR

A\_160243 / B\_140244



DIMENSIONS

for:		85 mm
$\beta(^{\circ})$	a (mm)	c (mm)
90 °	100.0	15.0
95 °	96.4	18.6
100 °	93.2	21.8
105 °	90.1	24.9
110 °	87.3	27.7
115 °	84.6	30.4
120 °	82.0	33.0
125 °	79.6	35.4
130 °	77.3	37.7
135 °	75.1	39.9
140 °	73.0	42.0
145 °	70.9	44.1
150 °	68.9	46.1
155 °	66.9	48.1
160 °	65.0	50.0
165 °	63.1	51.9
170 °	61.2	53.8
175 °	59.4	55.6
180 °	57.5	57.5



# IDEAL 4000

## EXPANDED POSSIBILITIES

The strong profile construction with a 70 mm installation depth and generously sized chambers for steel reinforcement ensures optimal static performance and enables the manufacture of large-scale windows.

Multi-chamber construction guarantees high thermal and acoustic insulation.

W/m²K

0.86\*

number of chambers

5

number of gaskets

2

installation depth

70

glazing packages (mm)

40

V-Perfect weld

V\*

Roto

NX



RENOVATION OPTION AVAILABLE

\*For a reference window sized 1230x1480mm, Ug = 0.5 W/m²K  
\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.

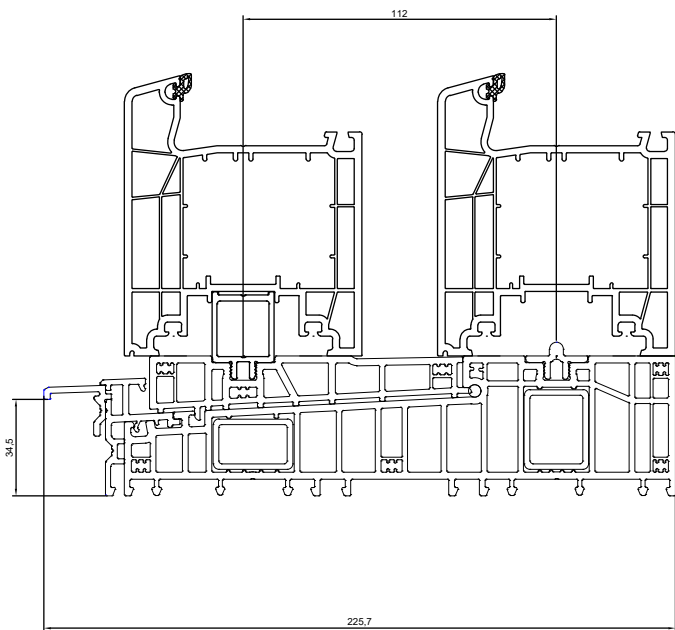






# alupolast®

Sliding and Door Systems



illustrative image

# HST 85

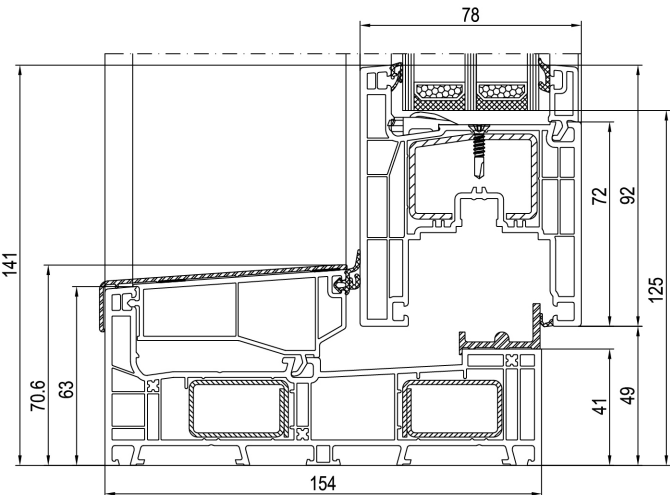
## BARRIER-FREE SPACE

HST sliding doors are a window-door system that allows the creation of large-format glazing while providing exceptional operational comfort. Sliding patio windows blur the boundary between interior and exterior spaces. They offer superior natural lighting and a sense of increased spatial volume.

installation depth (mm)	<b>197</b>
glazing packages (mm)	<b>48</b>

maximum dimension (mm)		diagram A	diagram C
white		6000 x 2700	6500 x 2700
colour		5200 x 2526	6500 x 2526
minimum dimension (mm)		1860 x 1950	3720 x 1950

## OUR RECOMMENDATION



aluplast

# SMART SLIDE NEO

## NEW DIMENSION OF COMFORT

Smart-slide NEO sliding doors are the latest development in the sliding door segment, offering an attractive alternative to PSK/PATIO terrace doors. Their advantage lies in simplicity and the use of proven mechanisms.

They are an excellent choice for both single-family homes and public utility buildings, where ease of operation and reliability are the primary expectations for terrace doors.

installation depth (mm)	<b>154</b>
glazing packages (mm)	<b>48</b>

maximum dimension (mm)		diagram A	diagram C
white		6000 x 2500	6000 x 2500
colour		6000 x 2500	6000 x 2500
minimum dimension (mm)		1200 x 900	2400 x 900

illustrative image



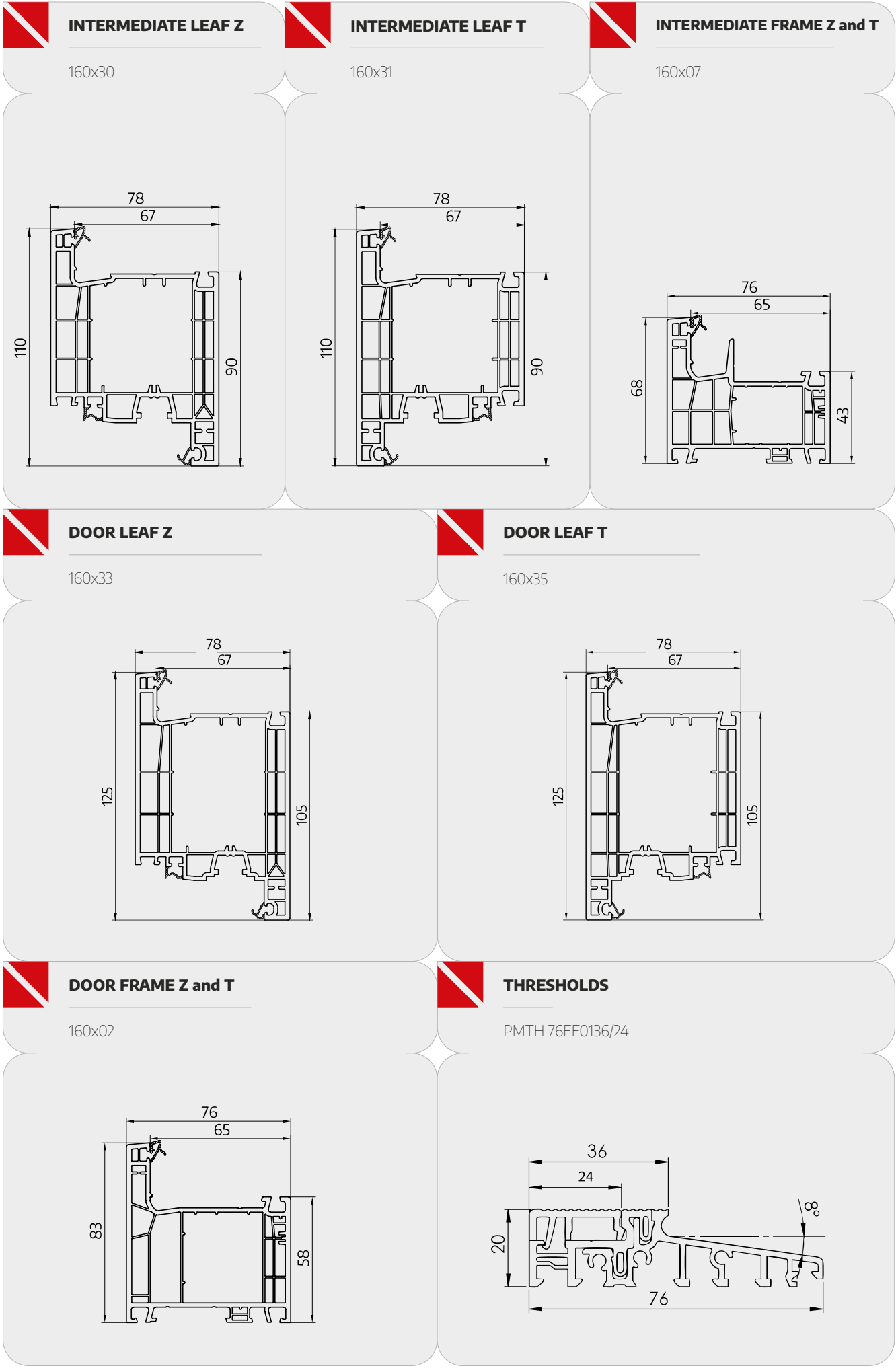
# IDEAL NEO DOOR SYSTEM

## EXCEPTIONAL THERMAL PERFORMANCE

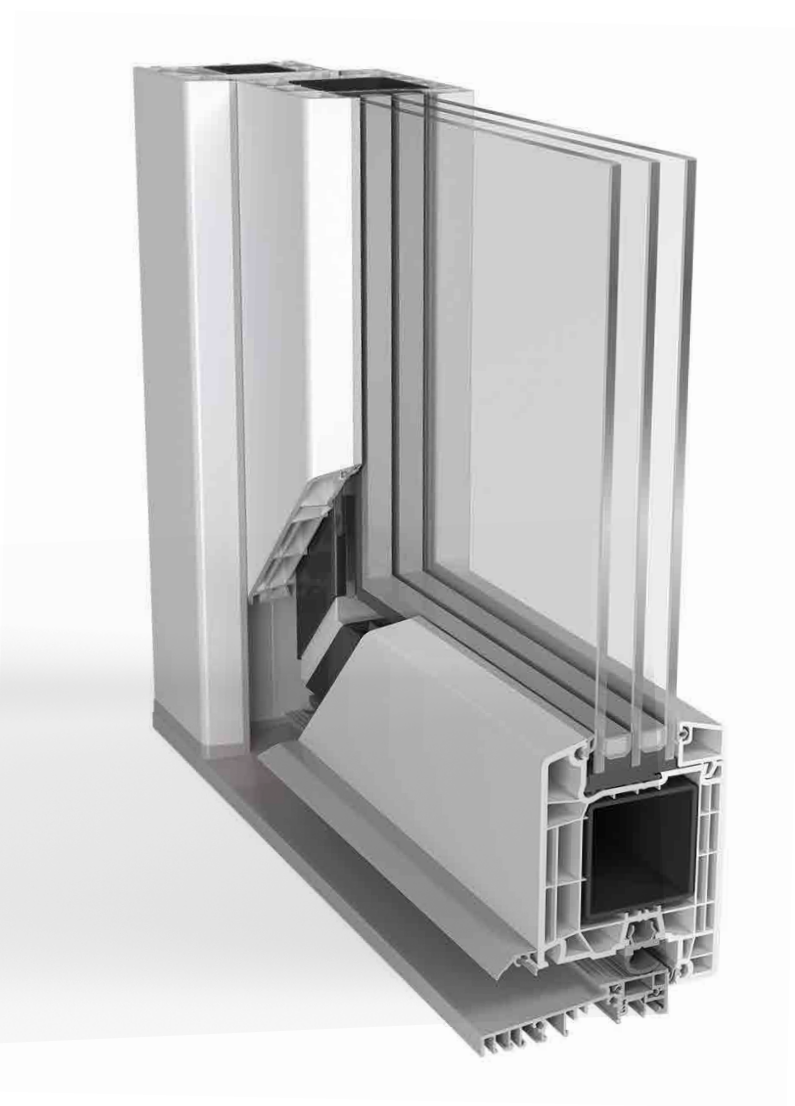
Modern design, minimalist form, sharp lines, and slim window rebates. It performs excellently in both new developments and renovated buildings. The system is based on innovative technological solutions. One available option is the innovative Bonding Inside technology, which significantly improves the static and thermal properties of the window. Durable bonding of the glass unit to the sash frame minimises the risk of deformation. This solution guarantees reliable operation and user comfort for many years.

installation depth (mm)	<b>76</b>
glazing packages (mm)	<b>48</b>

maximum dimension (mm)	single-leaf	double-leaf with flying mullion
	1250 x 2440	2500 x 2440
minimum dimension (mm)	800 x 1800	1100 x 1800







illustrative image

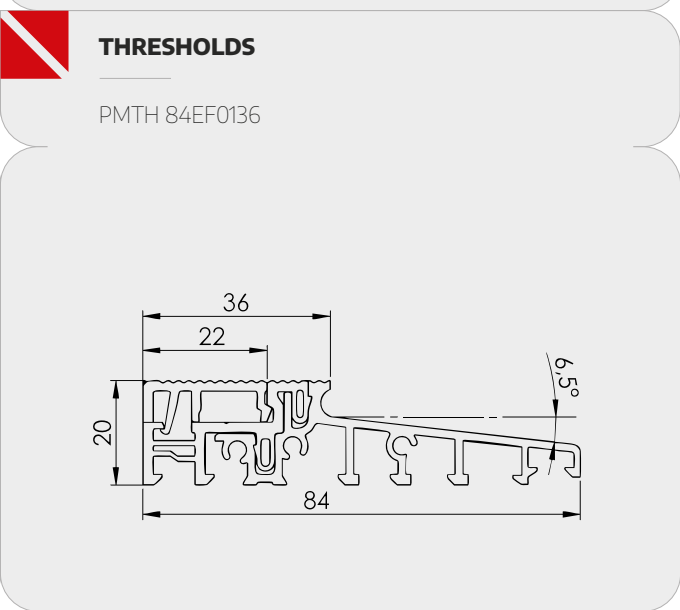
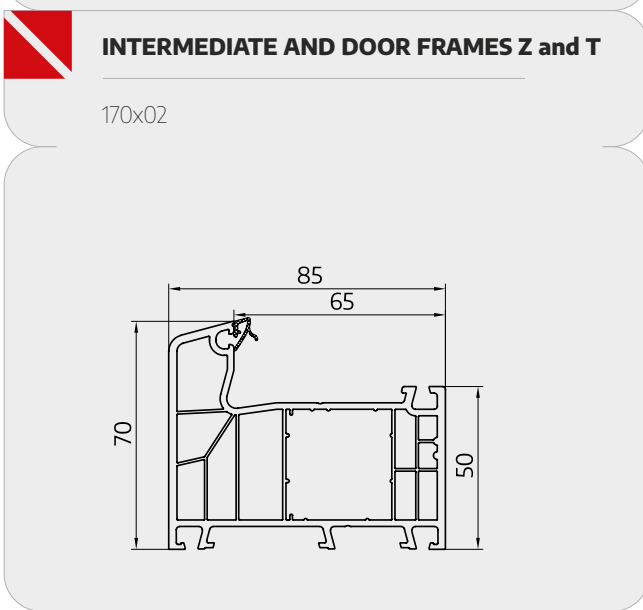
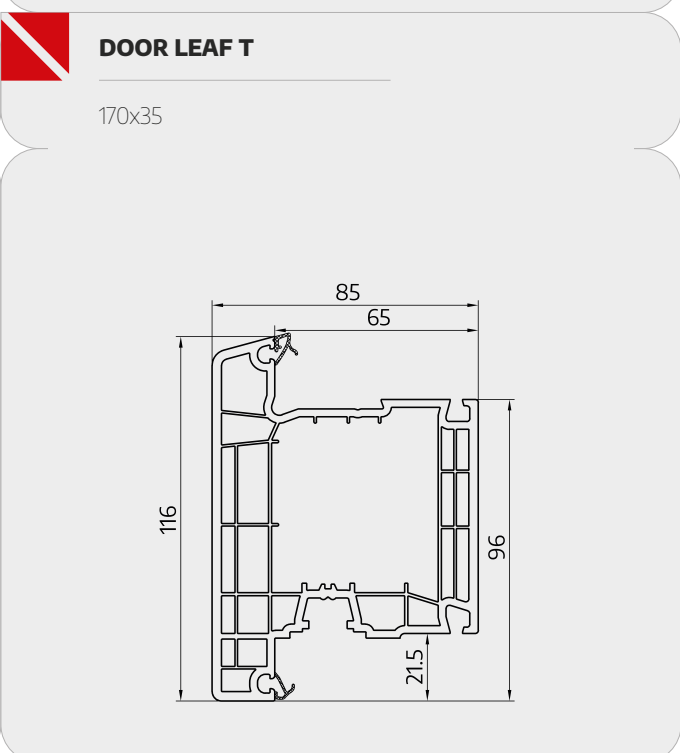
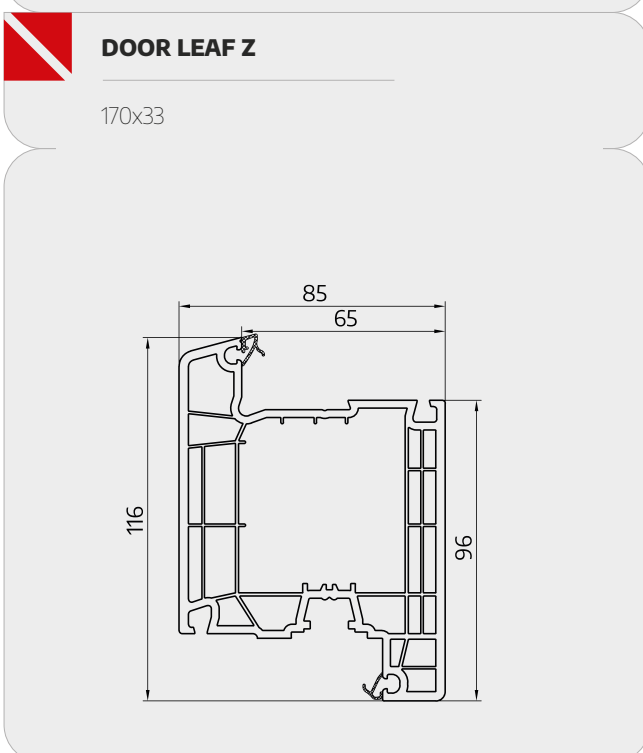
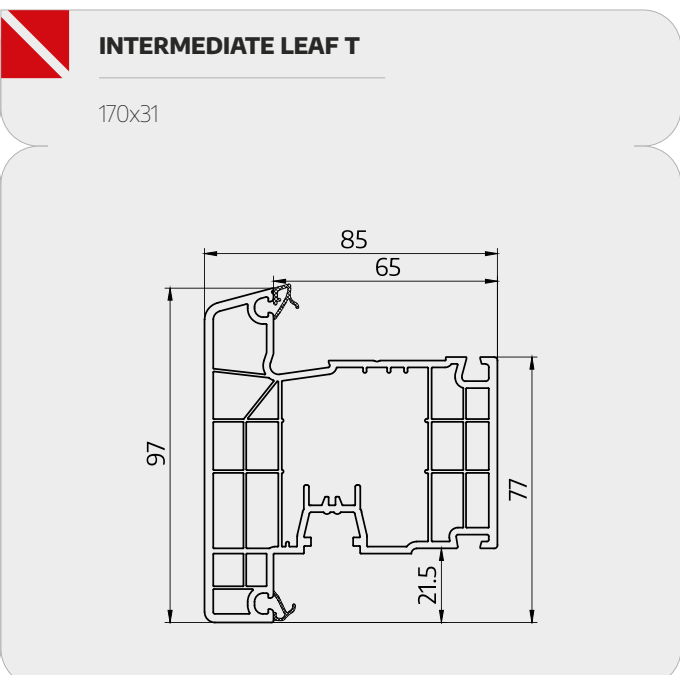
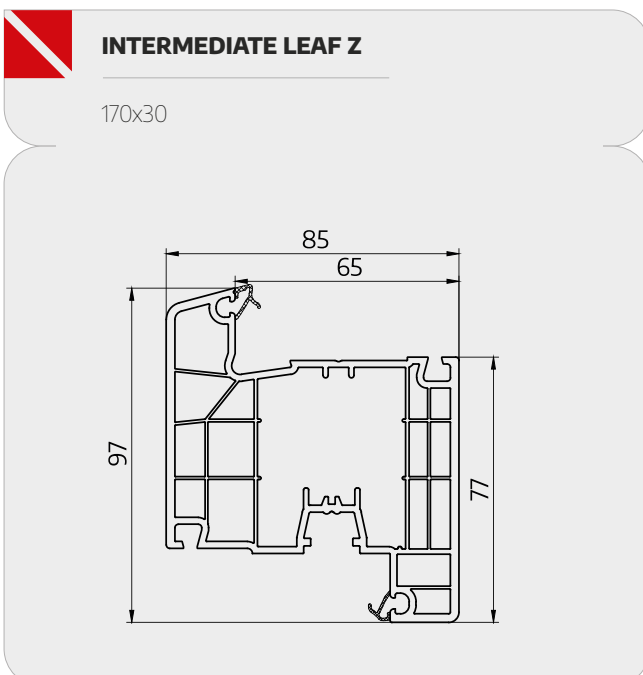
# IDEAL 7000 DOOR SYSTEM

## NEW DIMENSION OF ENERGY EFFICIENCY

The IDEAL 7000 series opens new possibilities in the production of external doors. Thanks to the multi-chamber construction, 85 mm installation depth, and the ability to use glazing packages and panels up to 48 mm thick, the thermal insulation performance of the structure has been significantly improved.

installation depth (mm)	<b>85</b>
glazing packages (mm)	<b>48</b>

maximum dimension (mm)	single-leaf	double-leaf with flying mullion
	1250 x 2440	2500 x 2440
minimum dimension (mm)	785 x 1800	1100 x 1800



illustrative image

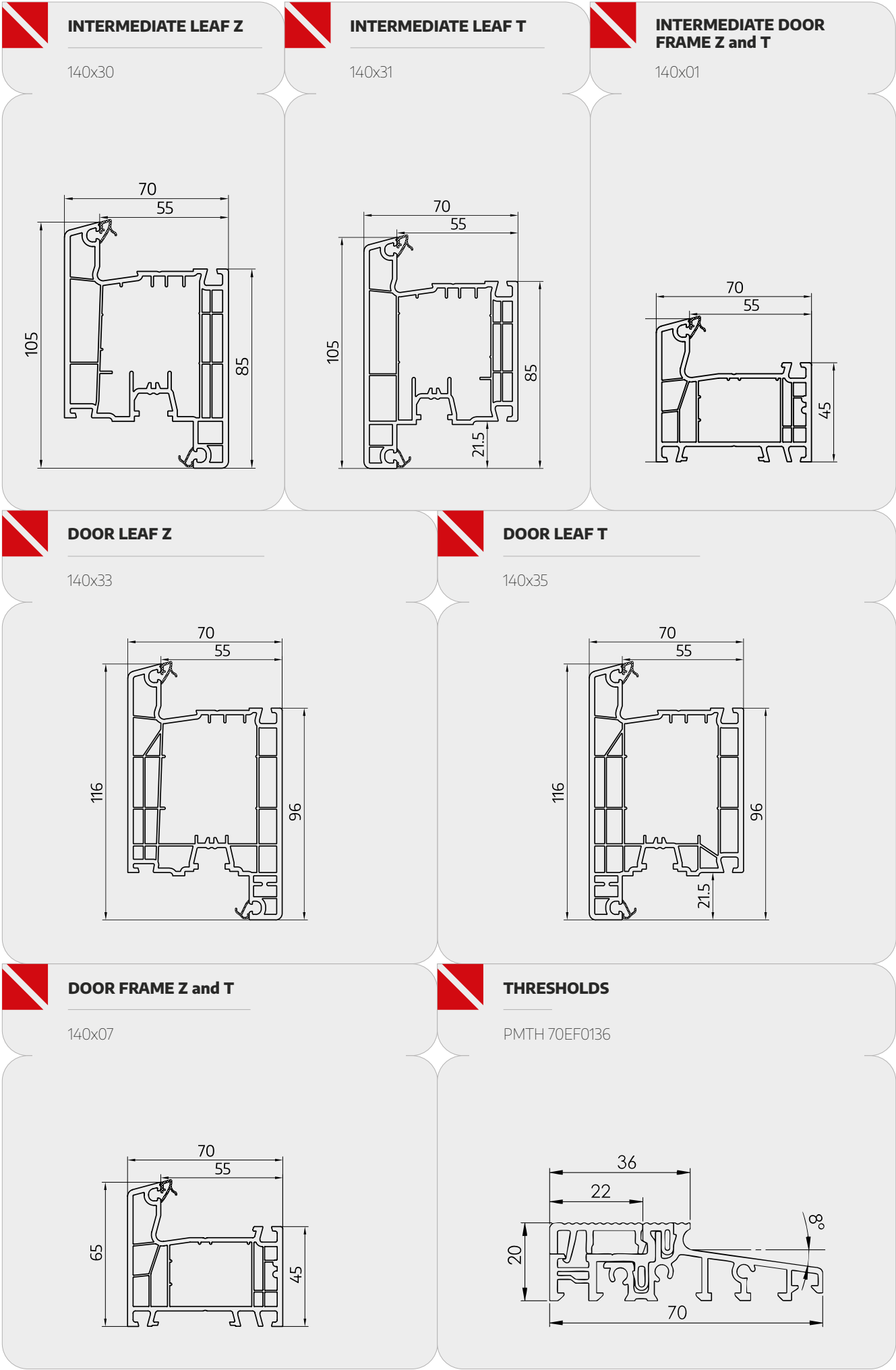
# IDEAL 4000 DOOR SYSTEM

## THERMAL PERFORMANCE

The IDEAL 4000 series is Aluplast's basic solution for external door systems. Thanks to its multi-chamber construction with a 70 mm installation depth and the use of a door threshold with a thermal break, it delivers very good thermal insulation performance.

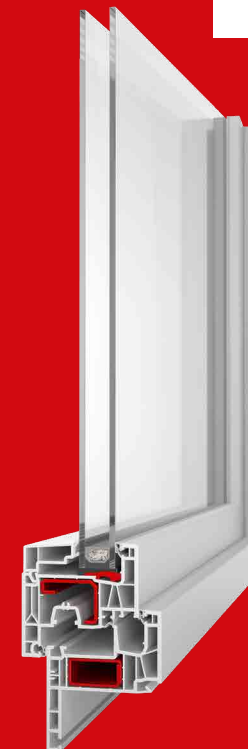
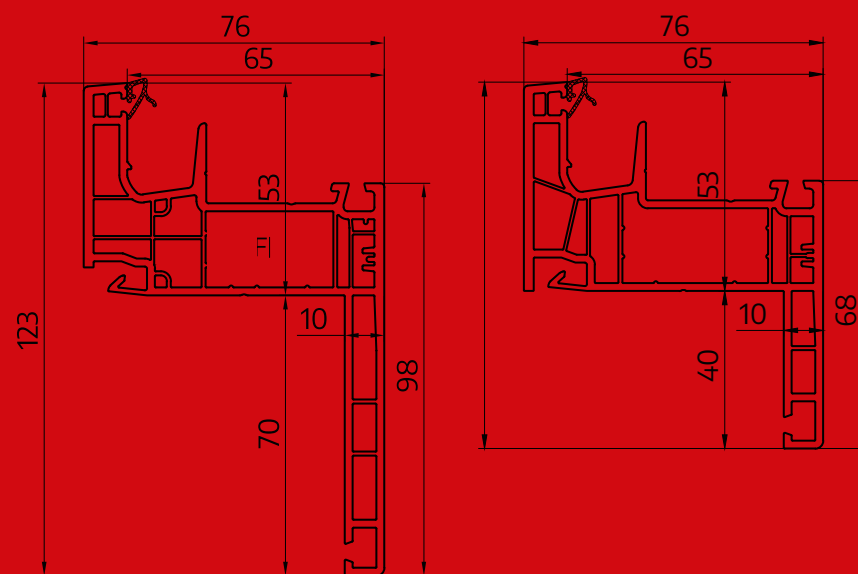
installation depth (mm)	<b>70</b>
glazing packages (mm)	<b>40</b>

maximum dimension (mm)	single-leaf	double-leaf with flying mullion
	1250 x 2440	2500 x 2440
minimum dimension (mm)	785 x 1800	1100 x 1800

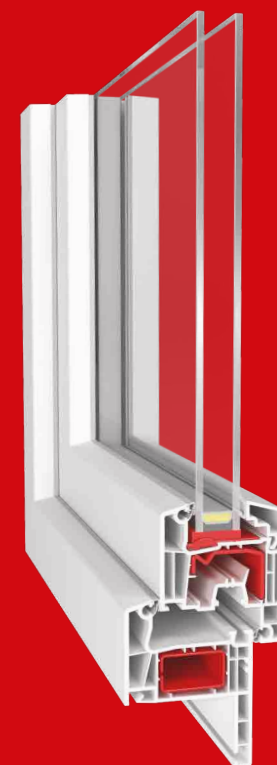


# renovation

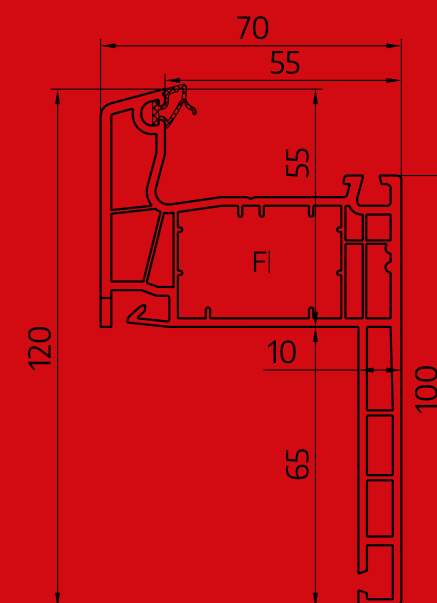
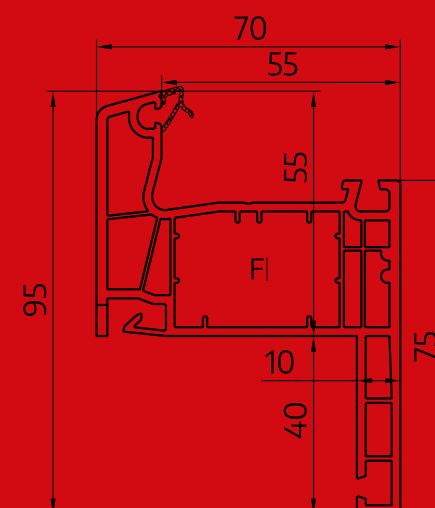
## IDEAL NEO MD IDEAL 4000



IDEAL NEO MD



IDEAL 4000



The system of renovation frames is used for fitting windows without the need to remove existing frames.

The particular feature of this type of window lies in the use of special renovation frames with a so-called masking profile, which surrounds the wooden frame, creating a characteristic internal trim, while externally we can apply special cladding profiles.

Masking profiles within the frames come in different widths, but can also be cut to specific requirements, eliminating the need to remove existing wooden (or alternative material) frames.

Renovation frames are additionally reduced in height, so that when fitting onto an existing frame, the glazing area is not significantly restricted. This installation method avoids the risk of damaging the building façade, speeds up window replacement, and reduces finishing work (repairs and painting).

# Aluskin



Exclusive  
to the IDEAL  
**8000 system**

Aluminium covers.  
Unlimited colour  
options.

Possibility of lacquer coating, powder coating, and anodising of external surfaces.

Freedom to select colours according to the RAL palette.

Increased durability.

Modern and exclusive design of external aluminium surfaces.

# Cassonetto



Casing for external blind  
mechanism.

The Cassonetto is a special housing that conceals the blind mechanism (such as the roller onto which the fabric is wound) and the guide rails.

It is a finishing element that ensures an aesthetic appearance and also protects the mechanism from dust and damage.

The Cassonetto is made from special PVC profiles, and its appearance is adapted to the interior style where the blind is installed.

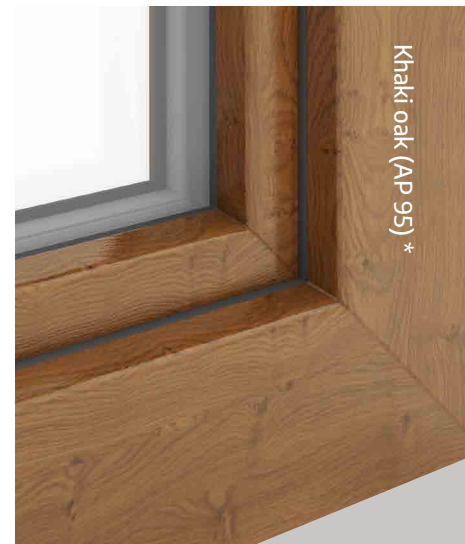
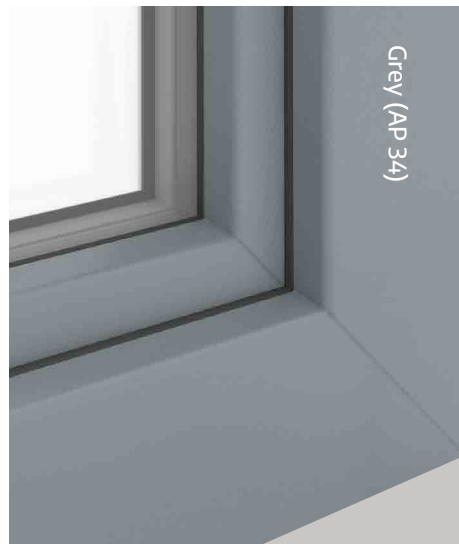
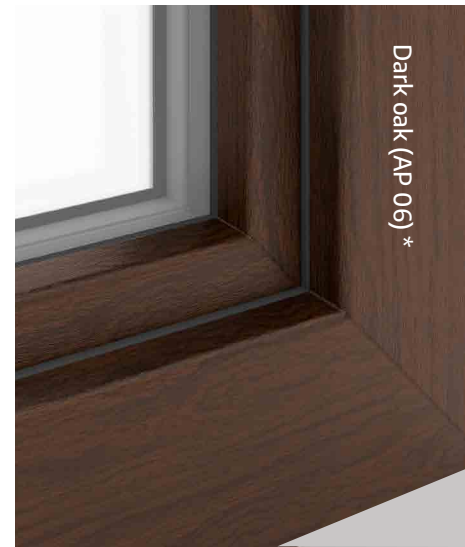
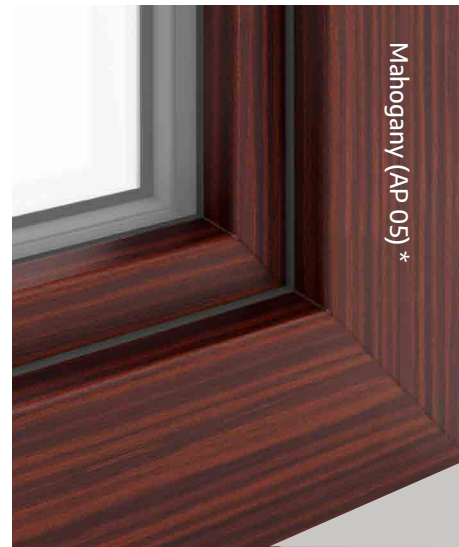
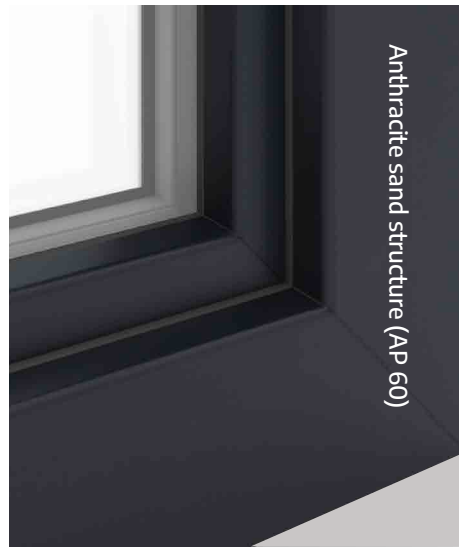
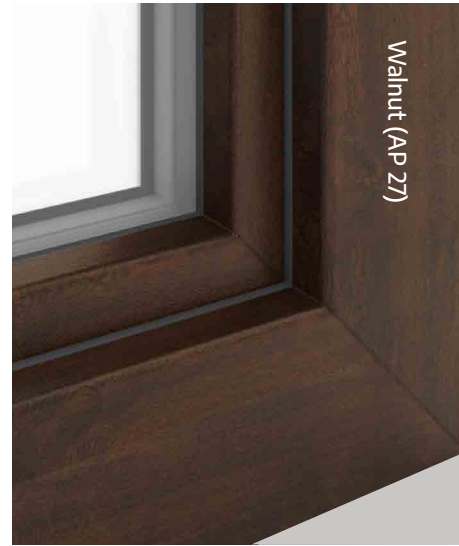
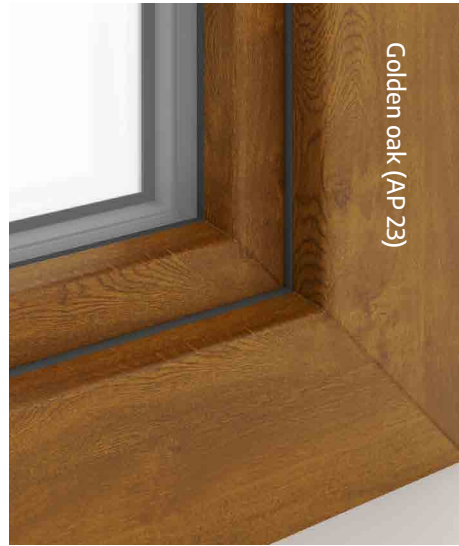
It can be mounted on the wall or ceiling, depending on user preference.



# aluplast® colour options

## STANDARD COLOURS

\*Aluplast standard colours with a longer lead time of 4 weeks



Due to printing technology, the depicted foil patterns may differ in shade from the original window films.

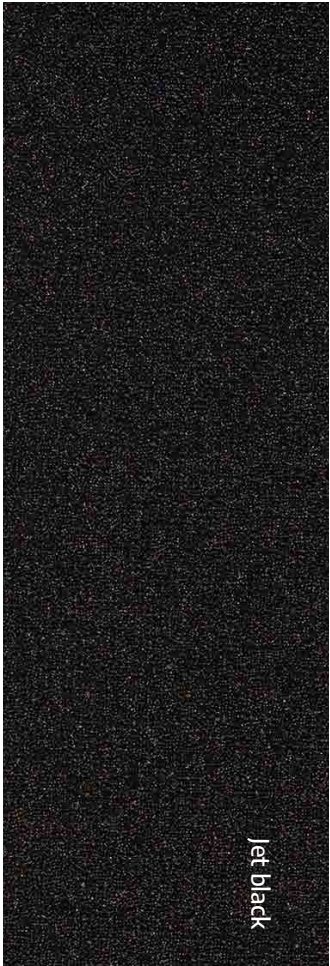




DB703



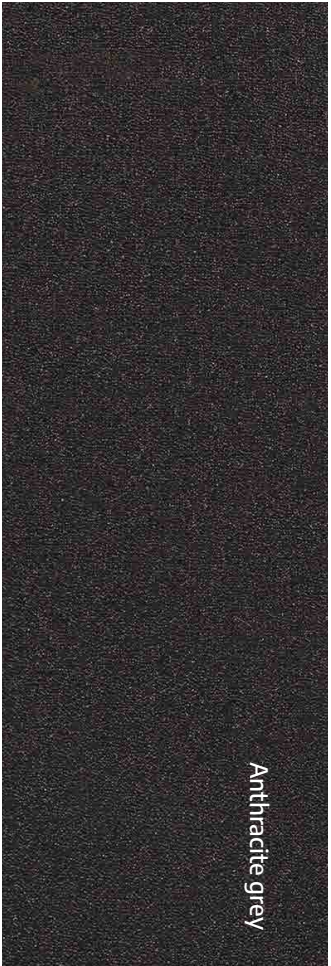
Window grey



Jet black



Umбра grey



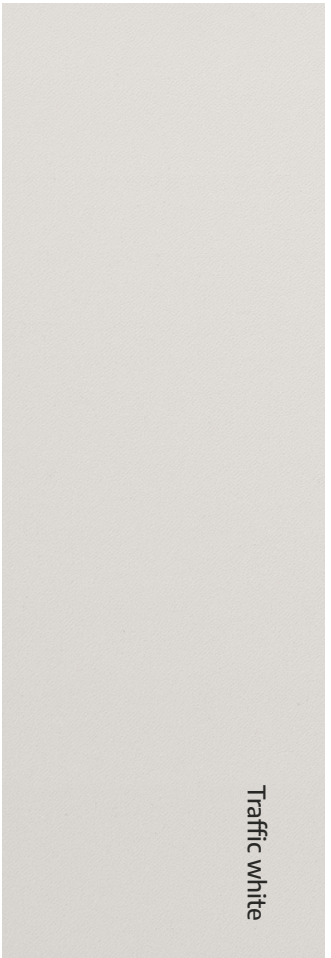
Anthracite grey



Basalt grey

\*Aluplast standard colours with a longer lead time of 4 weeks

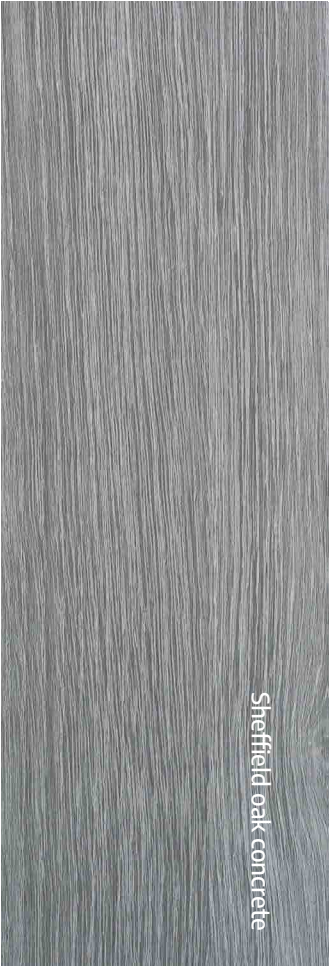
**ALUDEC**



Traffic white

**WOODEC**

**aluplast®**



Sheffield oak concrete



Turner oak walnut



Sheffield oak alpine



Turner oak amber



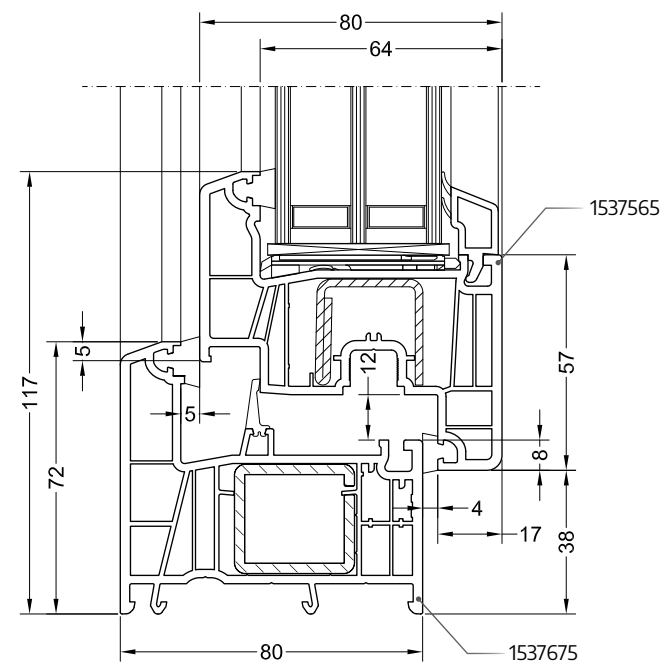
Turner oak malt



Turner oak toffee



# REHAU



## SYNEGO MD COMPACT

### DISCOVER THE WARMTH OF YOUR HOME

Thanks to the new SYNEGO windows, your home will become an oasis of warmth, quiet and security.

**W/m²K**

**0.77\***

number of chambers

**6**

number of gaskets

**3**

installation depth

**80**

glazing packages (mm)

**48**

V-Perfect weld

**V**

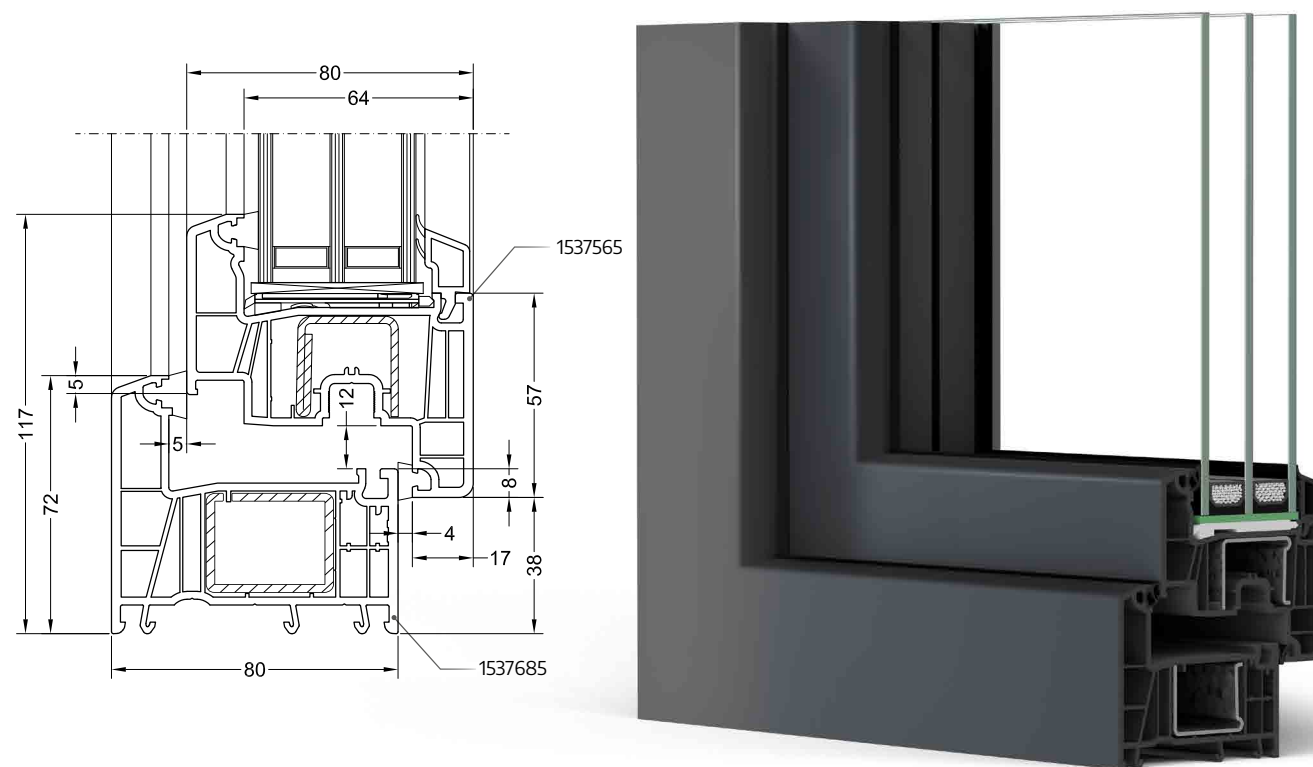
Roto [ 5 anti-burglary locking points ]

**NX** Premium

\*For a reference window sized 12301480mm, Ug = 0.5 W/m²K

\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.





# SYNEGO AD COMPACT

## ENJOY PEACE AND QUIET

The window profile offers excellent thermal and acoustic insulation, which helps reduce heating costs and improves acoustic comfort. The AD version uses a double-sealing system, providing a high level of airtightness and resistance to weather conditions.

W/m²K

**0.82\***

number of chambers

**6**

number of gaskets

**2**

installation depth

**80**

glazing packages (mm)

**48**

V-Perfect weld

**V**

Roto

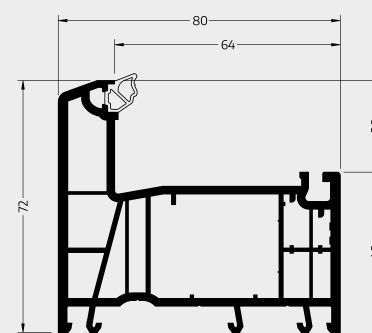
**NX**

\*For a reference window sized 1230/1480mm, Ug = 0.5 W/m²K

\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.

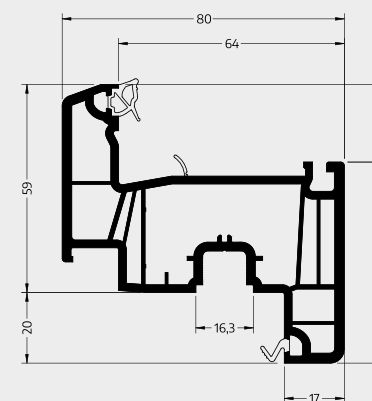
### FRAME PROFILE

1537685



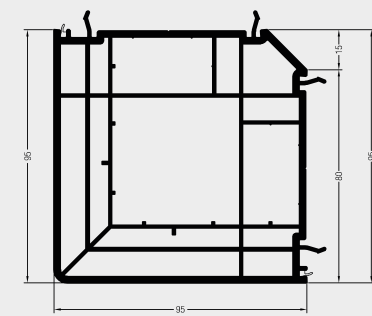
### SASH PROFILE

1537565



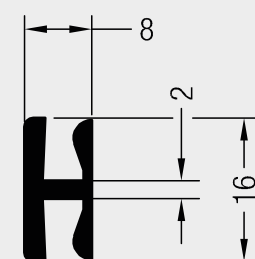
### CORNER CONNECTOR 90°

1538235



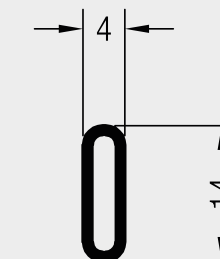
### H CONNECTOR

1732460



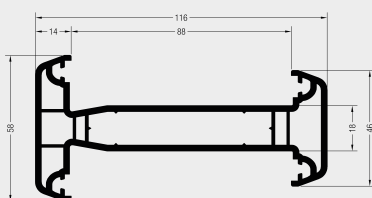
### CONNECTING STRIP

1561043



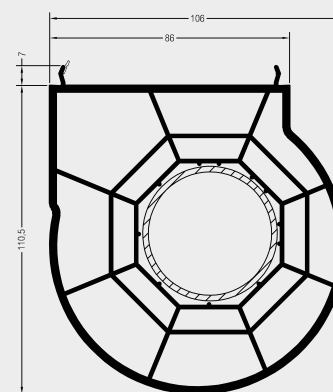
### STATIC CONNECTOR

1533070



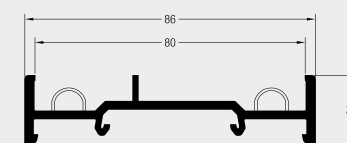
### TUBULAR CONNECTOR

1533055



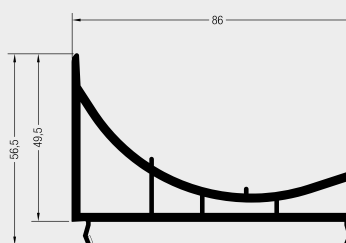
### ADDITIONAL PROFILE FOR TUBULAR CONNECTOR

1538305



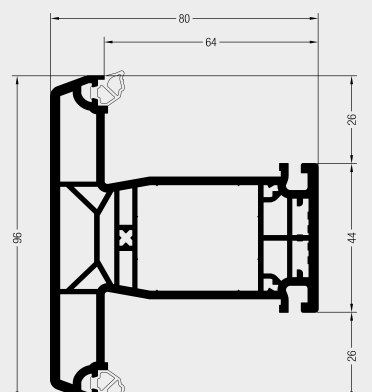
### ADAPTOR FOR TUBULAR CONNECTOR

1533065



### FIXED MULLION

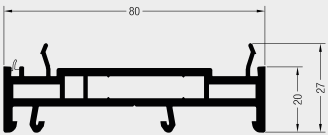
1537405





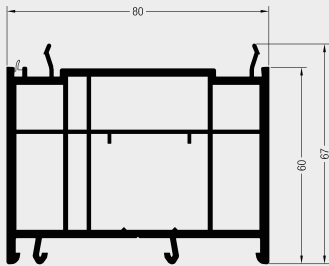
EXTENSION PROFILE 20 MM

1538025



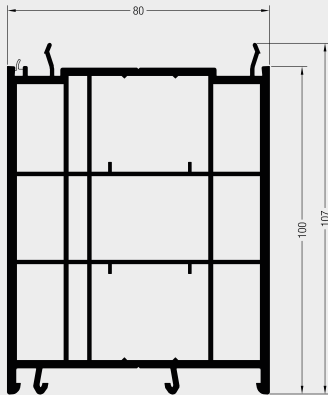
EXTENSION PROFILE 60 MM

1538065



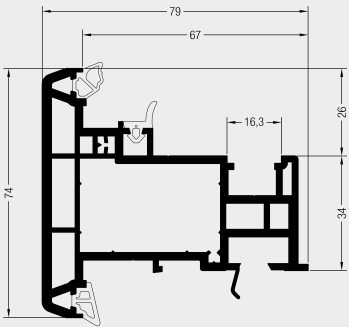
EXTENSION PROFILE 100 MM

1538105



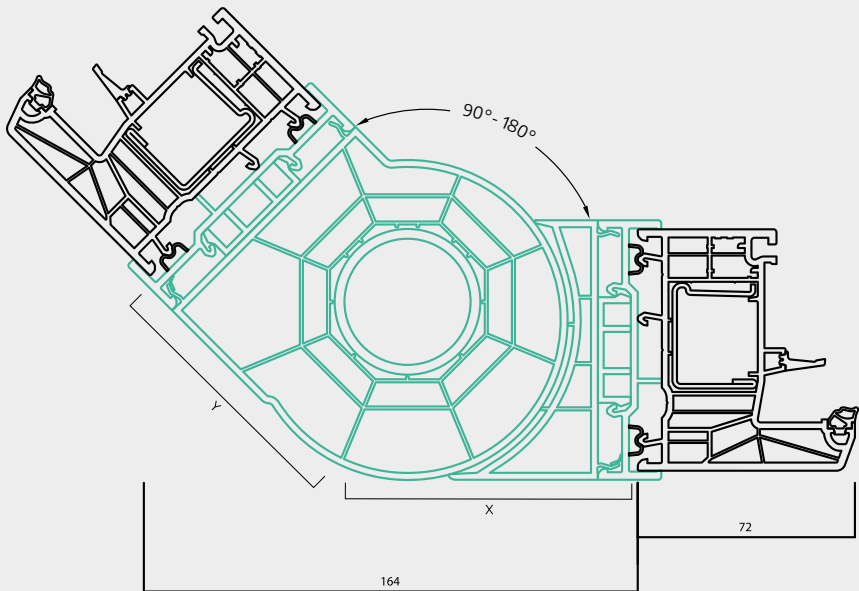
FLYING MULLION

1537455



TUBULAR CONNECTOR

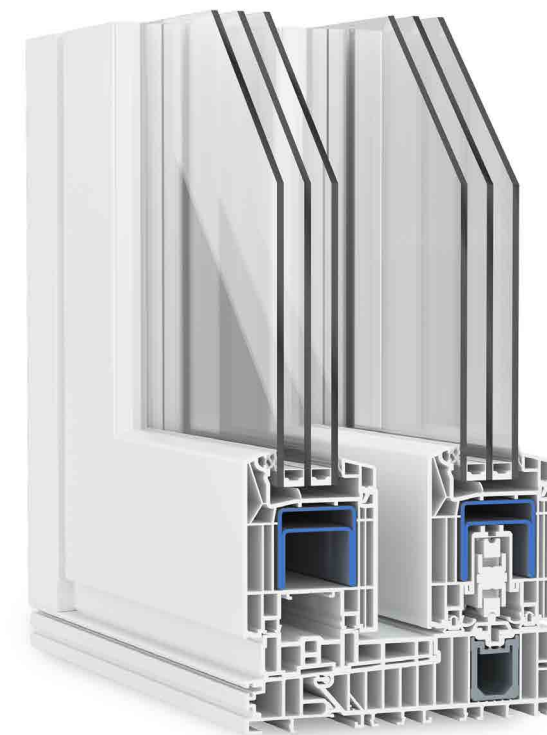
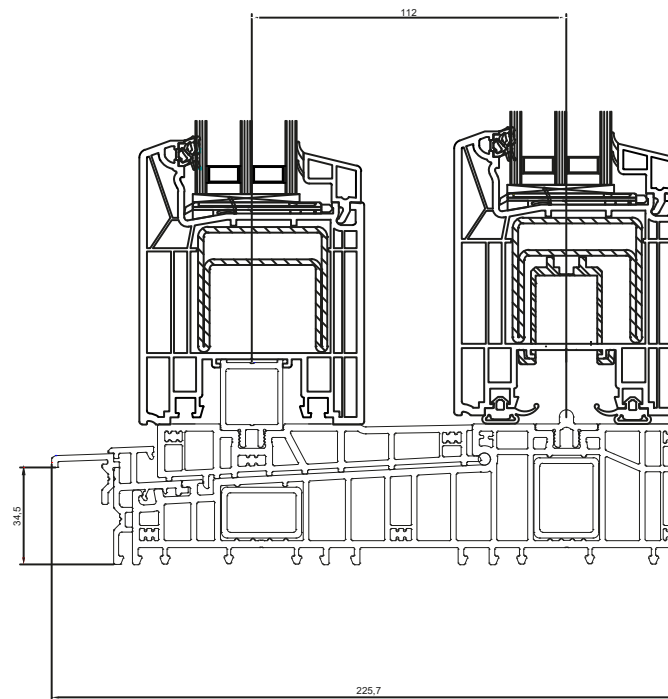
1533055



$\beta(^{\circ})$	subtracted value X ( mm )	subtracted value Y ( mm )
180 °	76	71
175 °	78	73
170 °	81	75
165 °	83	78
160 °	85	80
155 °	88	82
150 °	90	85
145 °	93	87
140 °	95	90
135 °	98	93
130 °	101	95
125 °	104	98
120 °	107	101
115 °	110	104
110 °	113	108
105 °	117	111
100 °	121	115
95 °	125	119
90 °	129	124



# REHAU



illustrative image



## REHAU HST

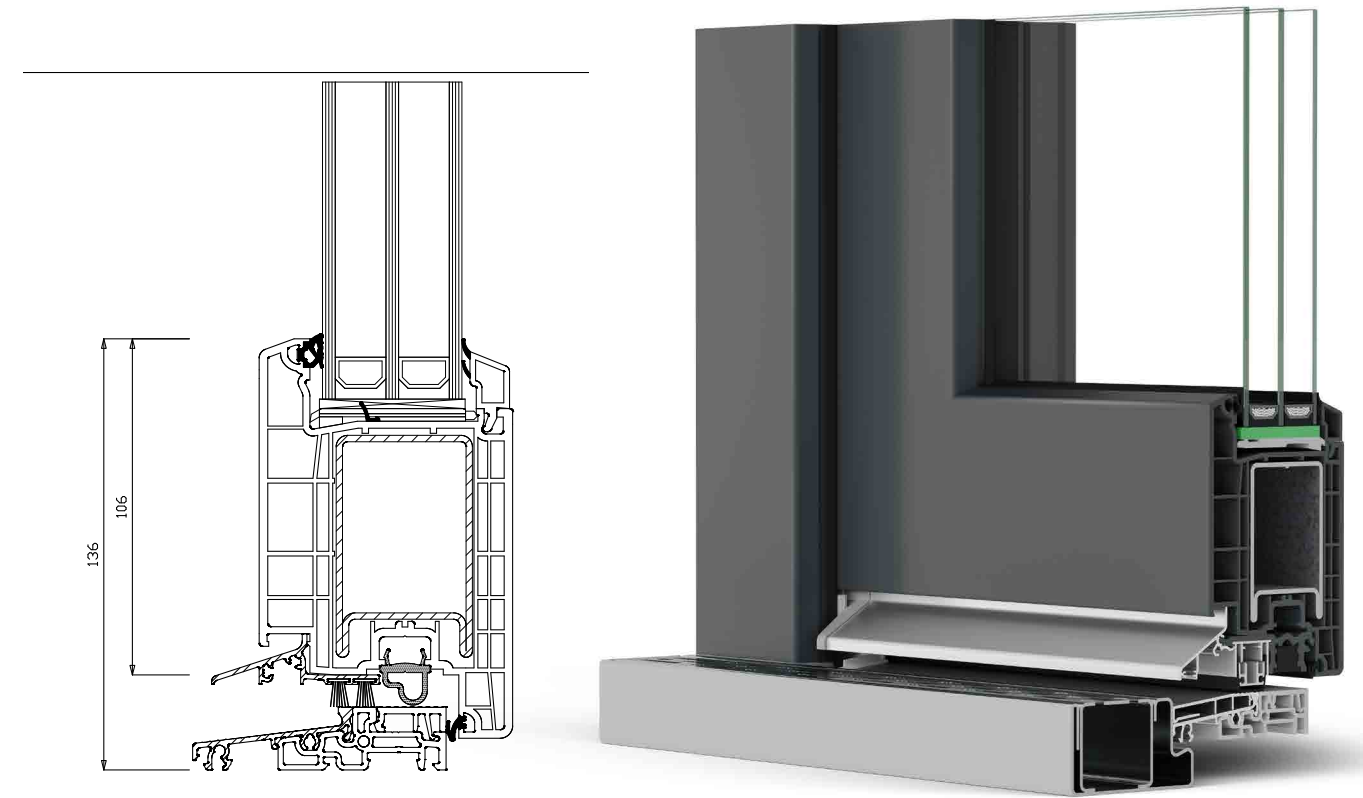
### ATTRACTIVE ARCHITECTURAL SOLUTIONS

Design your home to be open and modern, with plenty of natural light flooding the interior. Thanks to SYNEGO lift-and-slide doors, nothing will stand in the way of realising your dreams. SYNEGO patio doors not only look superb, but even after years provide full functionality. A special carriage housing ensures precise installation and, therefore, reliable operation of the hardware components, making it significantly easier to open and close patio doors – even at very large sizes.

installation depth (mm)	<b>190</b>
glazing packages (mm)	<b>48</b>

maximum dimension (mm)	diagram A	diagram C
white	6000 x 2700	10000 x 2700
colour	5000 x 2630	6800 x 2630
minimum dimension (mm)	1860 x 1950	3720 x 1950





# SYNEGO SLIDE

SYNEGO SLIDE as a sliding window offers abundant natural light and flexible design options. Space-saving, smoothly operating and elegant, it also serves as an attractive feature in the design of your living room.

maximum dimension (mm) diagram A	white		4000 x 2610
	colour		4000 x 2410
minimum dimension (mm)			1200 x 900

# SYNEGO MD EXTERNAL DOORS

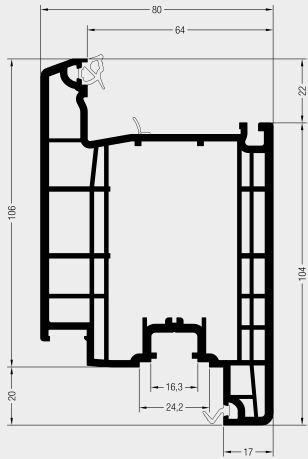
Syngo external doors perform a variety of important functions. They welcome guests while also protecting against unwelcome visitors. It is ideal when they additionally match the appearance of the house and the tastes of its occupants.

maximum dimension (mm)	single-leaf	double-leaf with flying mullion
	1250 x 2440	2500 x 2440
minimum dimension (mm)	800 x 1800	1100 x 1800



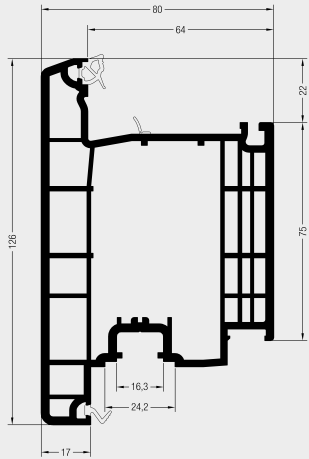
#### DOOR LEAF Z

1537295



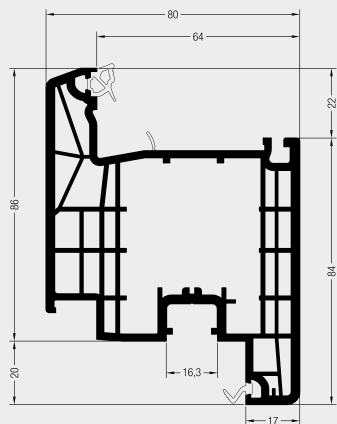
#### DOOR LEAF T

1537305



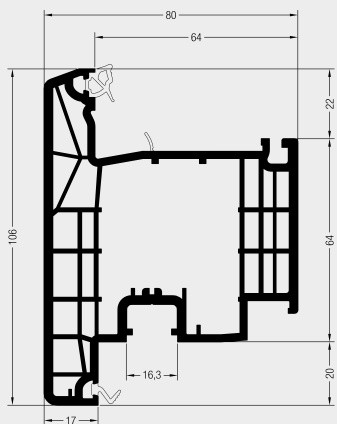
#### INTERMEDIATE LEAF Z

1537535



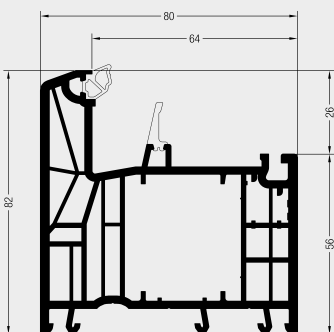
#### INTERMEDIATE LEAF T

1537545



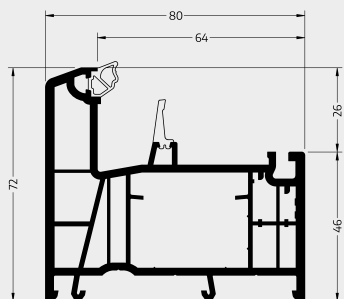
#### DOOR FRAME Z and T

1537635



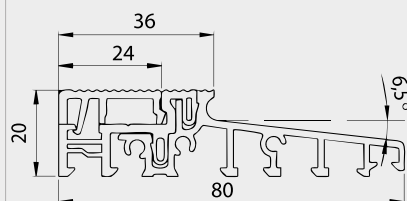
#### INTERMEDIATE FRAME Z and T

1537675



#### THRESHOLDS

PMTH80EF0136/24



# colour options



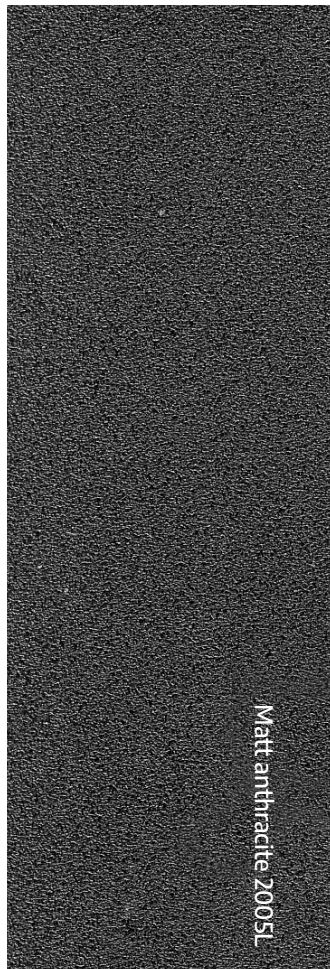
WOODEC Turner Oak Malt 2031L



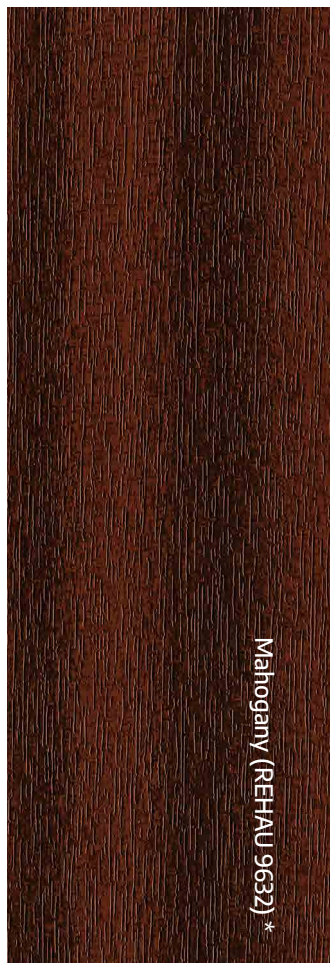
Swamp oak 2 (REHAU 4914) \*



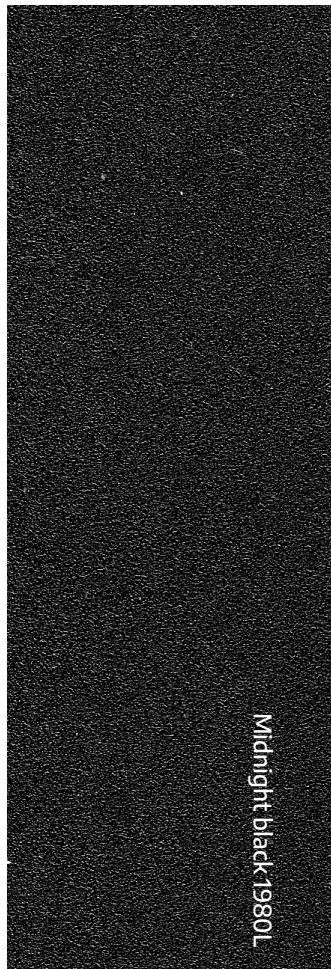
Matte anthracite 2005L



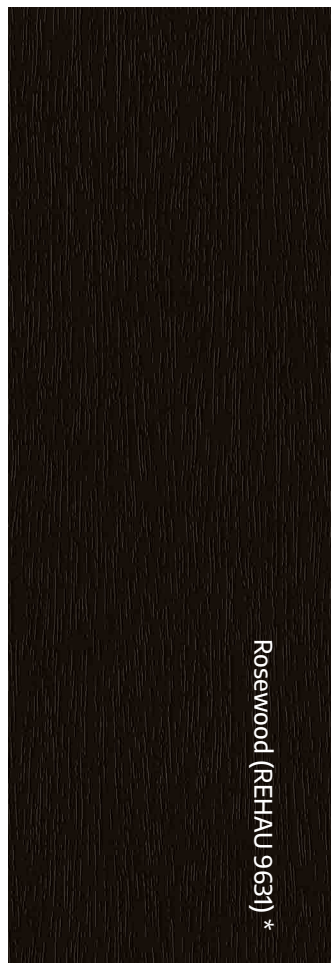
Mahogany (REHAU 9632) \*



Midnight black 1980L



Rosewood (REHAU 9631) \*

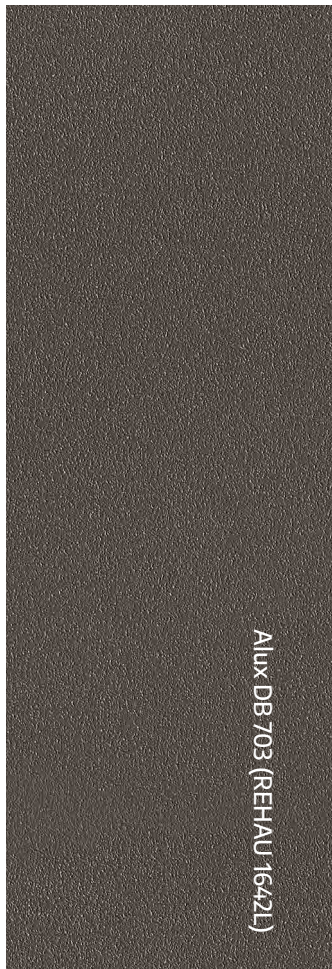


Due to printing technology, the depicted foil patterns may differ in shade from the original window films.

## STANDARD COLOURS

\*non-standard Rehau colours  
with extended lead times

Alux DB 703 (REHAU 1642L)



Walnut (REHAU 225L)



Anthracite (REHAU 4443)



Golden oak (REHAU 7512)



Smooth anthracite (REHAU 930L)

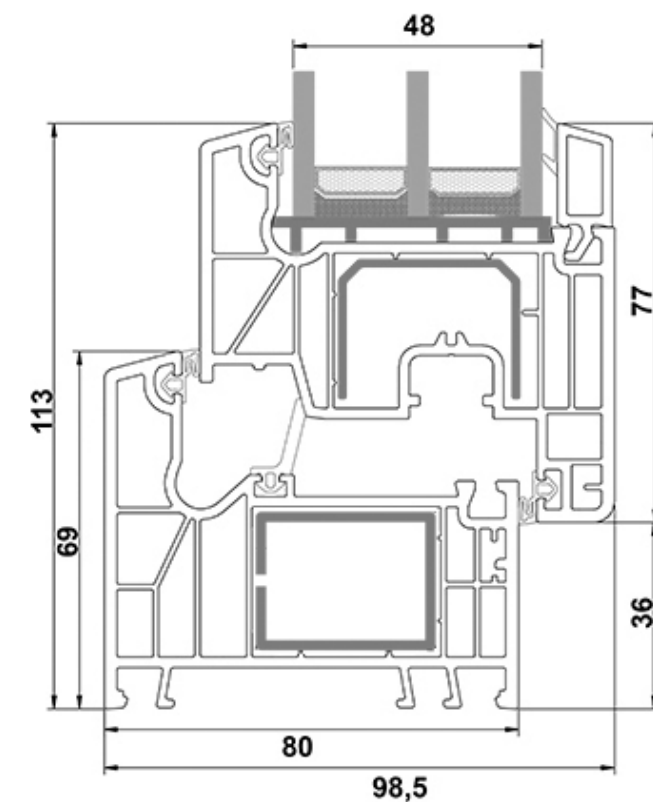


Winchester XA (REHAU 1208L)



# REHAU





# SPECTRUM

## INNOVATIVE SOLUTIONS

The SPECTRUM system is a 6-chamber profile system allowing the use of triple glazing packages up to 48 mm. It enables excellent thermal and acoustic performance for windows.

An additional central gasket improves the window's acoustic and thermal properties.

**W/m²K**

**0.75\***

number of chambers

**6**

number of gaskets

**3**

installation depth

**80**

glazing packages (mm)

**48**

V-Perfect weld

**V**

Roto

**NX**

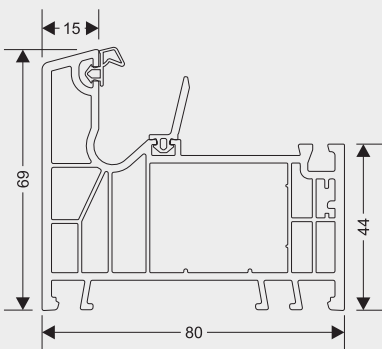
\*For a reference window sized 1230/1480mm, Ug = 0.5 W/m²K

\*Closed steel reinforcement in the frame is not included as standard; an additional charge is applied individually on request for each quotation.



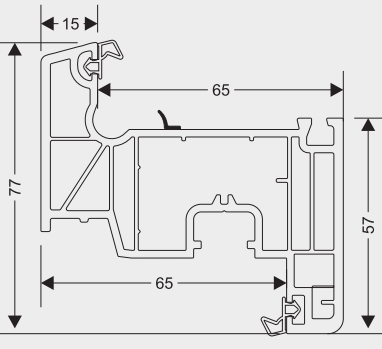
FRAME PROFILE

68011



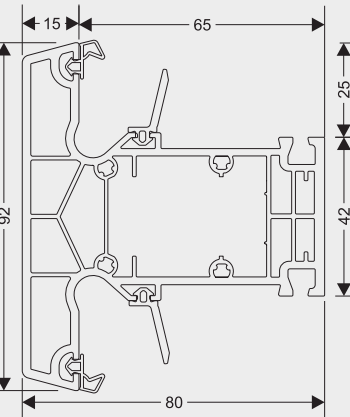
SASH PROFILE

68021



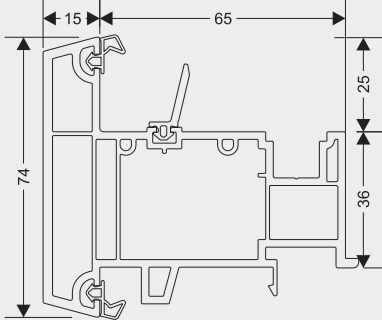
FIXED MULLION

68032



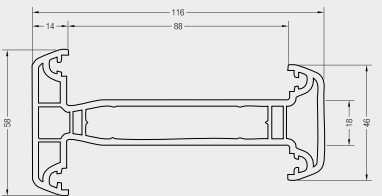
FLYING MULLION

69033



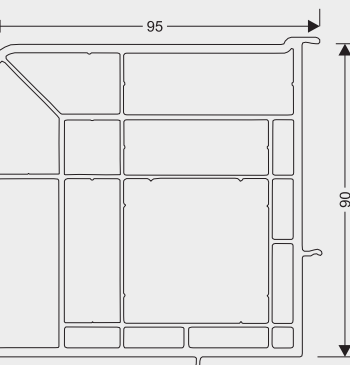
STATIC CONNECTOR (REHAU)

1533070




CORNER CONNECTOR

68063



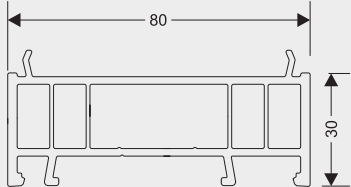
H CONNECTOR

57052



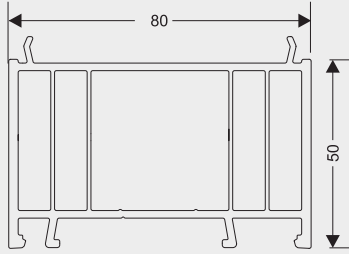
EXTENSION PROFILE 30 MM

68055



EXTENSION PROFILE 50 MM

68056



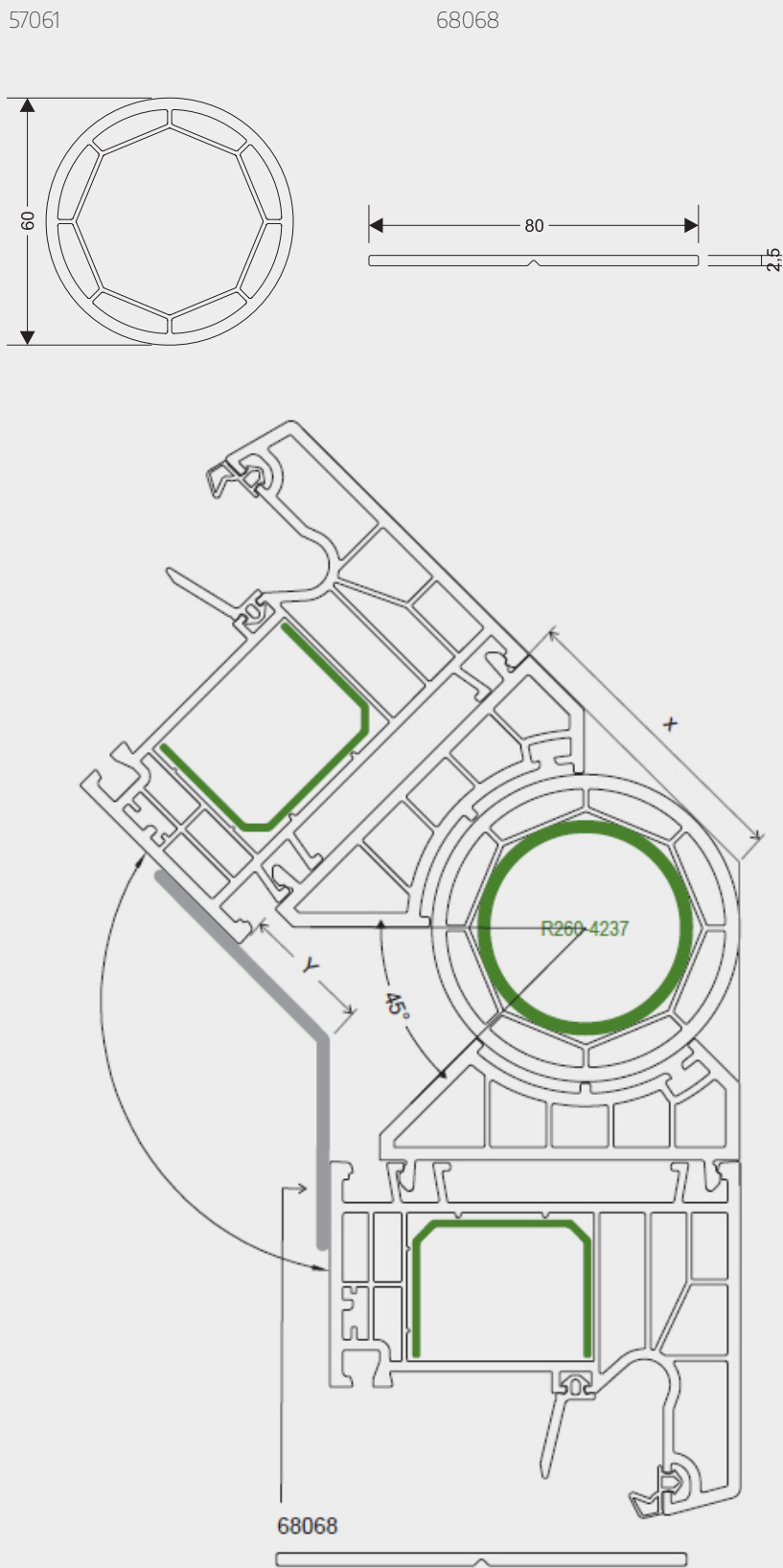
TUBULAR CONNECTOR

connector: 57061 + 57062 (additional x2) + 68068 (masking)  
reinforcement: R260-4237

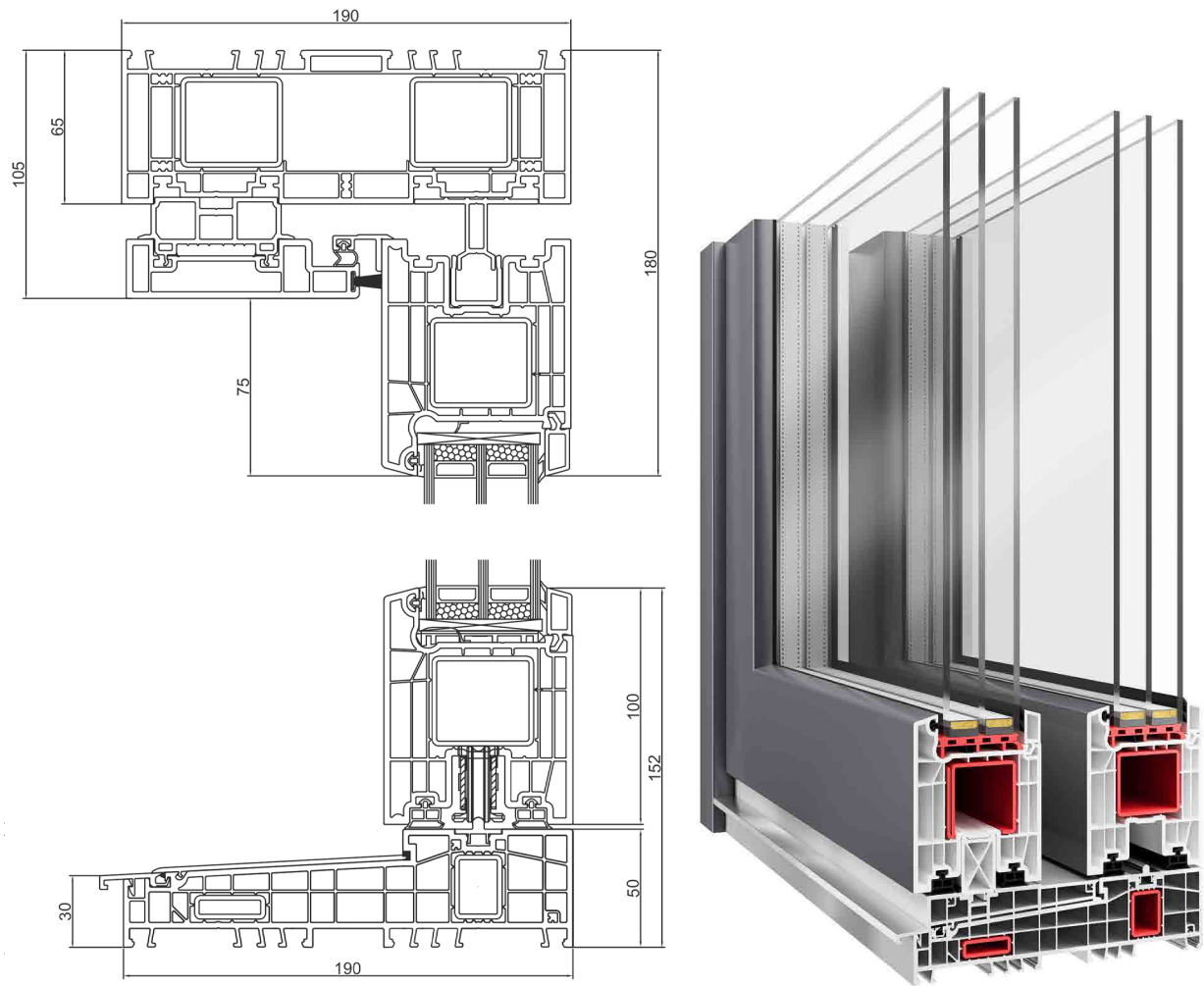
57061

68068

57062



$\beta(^{\circ})$	subtracted value X (mm)	subtracted value Y (mm)
90 °	72,5	0
100 °	70	3
110 °	66	10
120 °	62,5	16
130 °	59	22
140 °	56	27
150 °	53	31,5
160 °	50	36,2
170 °	48	40,5
180 °	45	45






# M-DRIVE

## MAXIMUM EFFICIENCY WITH MAXIMUM SIMPLIFICATION OF PRODUCTION

The main design objectives guiding the engineers during the development of this product were the desire to achieve maximum efficiency while maximising production simplification, and consequently minimising the number of system components. This is how the HS M-Drive lift-and-slide doors were created.

installation depth (mm)	<b>190</b>
glazing packages (mm)	<b>48</b>

maximum dimension (mm)		diagram A
white		6000 x 2700
colour		5500 x 2600
minimum dimension (mm)		2000 x 2040

# colour options

## STANDARD COLOURS



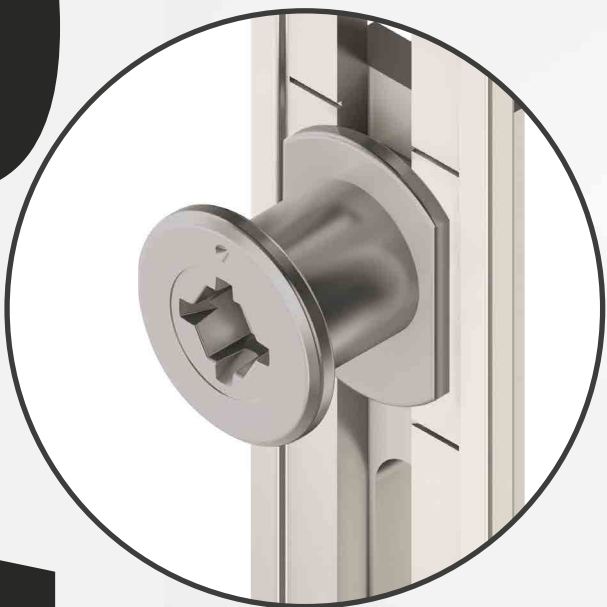
Due to printing technology, the depicted foil patterns may differ in shade from the original window films.



# hardware Roto NX

**Roto NX** is an innovative tilt-and-turn hardware system in terms of cost-effectiveness, security, comfort, and design.

Suitable for windows with both visible and concealed hinge sides.

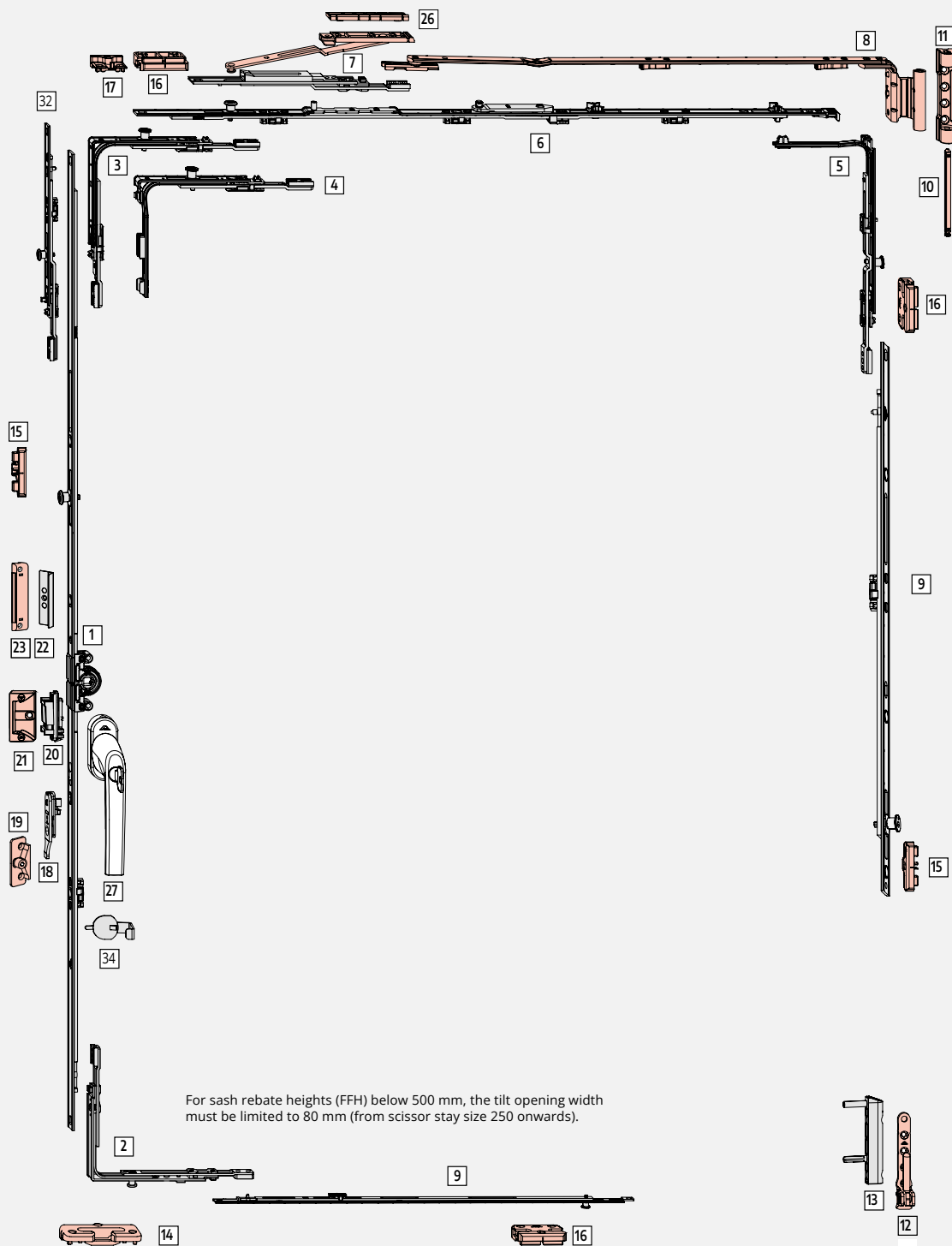


# Roto NX



1 | ROTO NX hardware

1



## [1] RU KSR espagnolette with fixed handle position, backset 15 mm

Sash rebate height FFH (mm)	Handle fixing height (mm)	Espagnolette length (mm)	SAP No.
280 – 370	120	460	742 199 <sup>1(2)(3)</sup>
371 – 510	120	460	742 199 <sup>1)</sup>
511 – 600	170	600	795 324 <sup>1)</sup>
601 – 800	263	690	619 591
801 – 1000	413	890	1 V 626 542
1001 – 1200	513	1090	1 V 626 543
1201 – 1400	563	1290	1 V 626 544
1401 – 1600	563	1490	2 V 626 575
1601 – 1800	563	1690	2 V 626 576
1601 – 1800	1000	1690	2 V 838 324
1801 – 2000	1000	1890	2 V 794 641
2001 – 2200	1000	2090	3 V 794 642
2201 – 2400	1000	2290	3 V 794 643 <sup>6)</sup>

## [32] Espagnolette extension (FFH ≥ 2401)

FFH/mm	Article/Length	SAP No.
2401 – 2600	200	– 308 267
2601 – 2800	400	1 V 337 710

## [2] Bottom corner element

Article/Length	SAP No.
1 P 260 277	

## [3] Top corner element

Article/Length	SAP No.
1 P 260 277	

## [4] Special corner element (for FFH < 370mm)

Article/Length	SAP No.
1 P 260 282	

## [5] RU corner locking element (for FFH > 800mm)

Article/Length	SAP No.
1 P 260 286	

## [6] NX scissor stay guide rail

FFB/mm	Article/Length	SAP No.
320 – 410	150 / 300	– 787 345 <sup>4)</sup>
411 – 600	250 / 490	– 787 346
601 – 800	350 / 690	– 787 347
801 – 1000	500 / 890	1 V 787 360
1001 – 1200	500 / 1090	1 V 787 361
1201 – 1400	500 / 1290	1 V 787 362
1401 – 1600	500 / 1290	1 V 787 362

## [7] Additional scissor stay (from FFB > 1401mm)

Article/Length	SAP No.
255 237	

## [8] NX scissor stay arm, system 12/20-13

FFB/mm	Size	SAP No.
320 – 410	150 <sup>5)</sup>	L 787 233
		P 787 234
411 – 600	250	L 787 235
		P 787 236
601 – 800	350	L 787 237
		P 787 238
801 – 1600	500	L 787 239
		P 787 240

## [9] Multi-part centre locking, horizontal and vertical

FFB/mm	Size	SAP No.
320 – 520	200 1 P	255 284
521 – 730	400 1 P	255 285
731 – 930	600 1 P	255 286
931 – 1130	600 KU 1 P	622 882
	200 1 P	255 284
1131 – 1330	600 KU 1 P	622 882
	400 1 P	255 285
1131 – 1530	600 KU 1 P	622 882
	600 1 P	255 286
1531 – 1600	2x 600 KU 1 P	622 882
	200 1 P	255 284

## [9] Multi-part horizontal centre locking

FFH/mm	Size	SAP No.
801 – 1200	400 1 P	255 285
1201 – 1550	600 1 P	255 286
1551 – 1800	600 KU 1 P	622 882
	400 1 P	255 285
1801 – 2100	600 KU 1 P	622 882
	600 1 P	255 286
2101 – 2400	2x 600 KU 1 P	622 882
	400 1 P	255 285
2401 – 2600	2x 600 KU 1 P	622 882
	600 1 P	255 286
2601 – 2800	3x 600 KU 1 P	622 882
	400 1 P	255 285

## [10] NX scissor stay support pin, length 86 mm

Article/Length	SAP No.
834 705	

## [11] NX scissor stay support bracket 3/130

Article/Length	SAP No.
859 171	

## [12] NX bottom hinge support bracket 3/130

Article/Length	SAP No.
787 207	

## [13] Bottom hinge 6 /130

Article/Length	SAP No.
263 858	

## [14] RU tilt-and-turn striker

Article/Length	SAP No.

## [15] Perimeter striker OB

Article/Length	SAP No.

## [16] AN anti-burglary striker

Article/Length	SAP No.

## [17] MI micro-ventilation striker (optional) from FFB ≥ 601

Article/Length	SAP No.

## OPTIONAL EQUIPMENT

### Incorrect handle position lock/sash lifter (FFH > 511)

Article/Length	SAP No.

## [18] Espagnolette component

Article/Length	SAP No.
795 927	

## [19] Frame component

Article/Length	SAP No.

## Roto NX balcony door latch (FFH > 1600)

Article/Length	SAP No.

## [20] RU espagnolette component, sash-side element

Article/Length	SAP No.
788 363	

## [21] Frame component

Article/Length	SAP No.

## or alternative magnetic latch:

Article/Length	SAP No.

## [22] Espagnolette angle bracket

Article/Length	SAP No.
244 517	

## [23] Frame magnet

Article/Length	SAP No.

## [26] PVC spacer element under additional scissor stay

Article/Length	SAP No.

## [27] Roto Line handle with key

Article/Length	SAP No.

## [34] Roto handle anti-drilling protection

Article/Length	SAP No.

## Roto NX cover cap set

Name	Colour	SAP No.
Cover cap set	R07.2	861 454
Cover cap set	R01.1	861 439
Cover cap set	R01.3	861 446
Cover cap set	R04.1	861 449
Cover cap set	R05.3	861 452
Cover cap set	R05.5	861 453

<sup>(1)</sup> Espagnolette with integrated corner element

<sup>(2)</sup> With special corner [4]

<sup>(3)</sup> To be installed with espagnolette mounting cover – 255211

<sup>(5)</sup> maks. uchył 80 mm

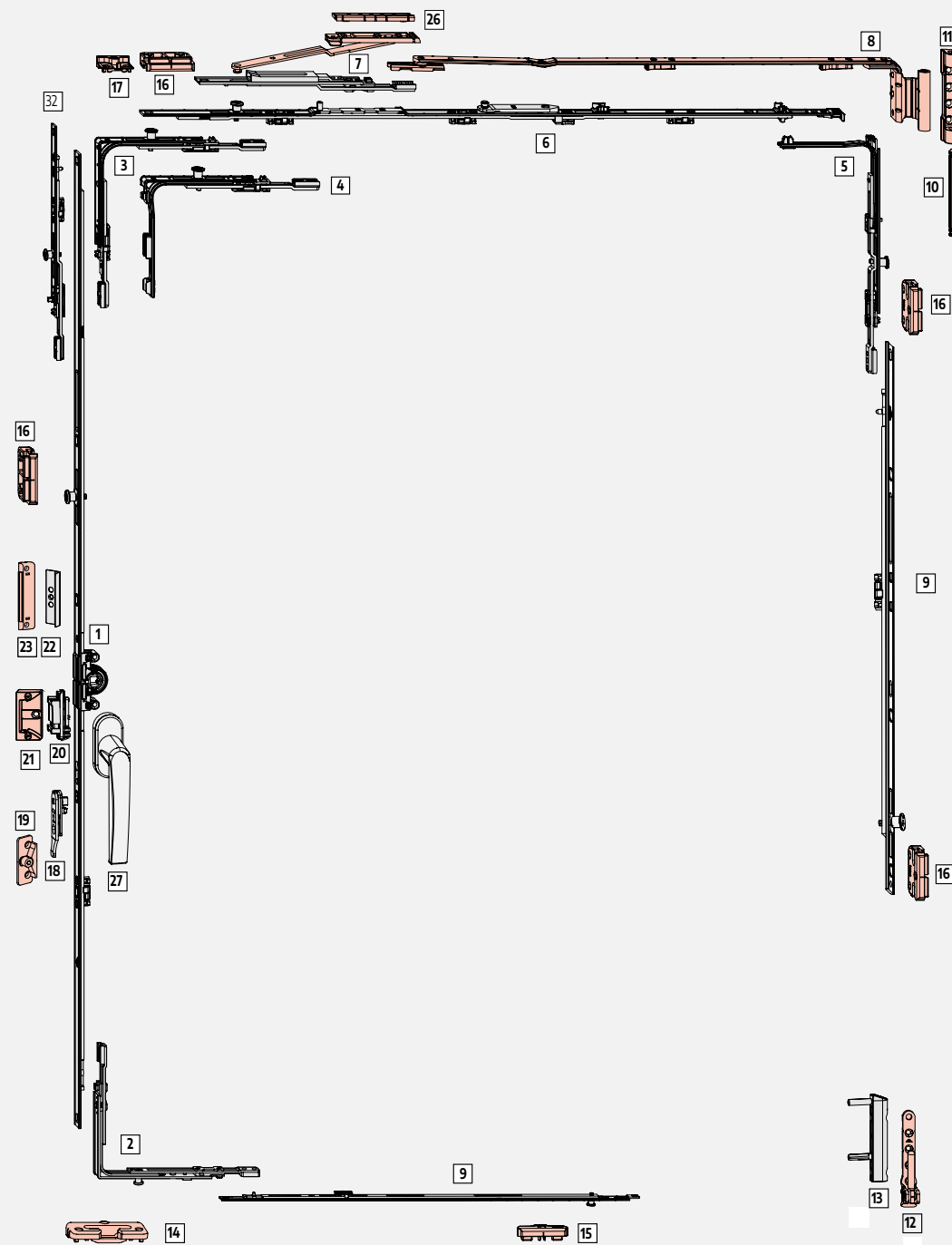
<sup>(6)</sup> For FFH 2401-2800, additionally use MV [32]

# Roto NX RU+R KSR

5 ANTI-LIFT POINTS



2



## [1] RU KSR espagnolette with fixed handle position, backset 15 mm

Sash rebate height FFH (mm)	Handle fixing height (mm)	Espagnolette length (mm)	SAP No.
280 – 370	120	460	742 199 <sup>1) 2) 3)</sup>
371 – 510	120	460	742 199 <sup>1)</sup>
511 – 600	170	600	795 324 <sup>1)</sup>
601 – 800	263	690	619 591
801 – 1000	413	890	1 V 626 542
1001 – 1200	513	1090	1 V 626 543
1201 – 1400	563	1290	1 V 626 544
1401 – 1600	563	1490	2 V 626 575
1601 – 1800	563	1690	2 V 626 576
1601 – 1800	1000	1690	2 V 838 324
1801 – 2000	1000	1890	2 V 794 641
2001 – 2200	1000	2090	3 V 794 642
2201 – 2400	1000	2290	3 V 794 643 <sup>6)</sup>

## [32] Espagnolette extension (FFH ≥ 2401)

2401 – 2600	200	–	308 267
2601 – 2800	400	1 V	337 710

## [2] Bottom corner element 1 V 260 272

## [3] Top corner element 1 V 260 272

## [4] Special corner element (for FFH < 370 mm) 1 V 281 288

## [5] RU corner locking element (for FFH > 800 mm) 1 P 260 286

## [6] NX scissor stay guide rail

FFB/mm	Article/Length	SAP No.
290 – 410	150 / 300	– 787 345 <sup>4)</sup>
411 – 600	250 / 490	– 787 346
601 – 800	350 / 690	– 787 347
801 – 1000	500 / 890	1 V 787 360
1001 – 1200	500 / 1090	1 V 787 361
1201 – 1400	500 / 1290	1 V 787 362
1401 – 1600	500 / 1290	1 V 787 362

## [7] Additional scissor stay (from FFB > 1401 mm) 255 237

## [8] NX scissor stay arm, system 12/20-13

FFB/mm	Size	SAP No.
290 – 410	150 <sup>5)</sup>	L 787 233 P 787 234
411 – 600	250	L 787 235 P 787 236
601 – 800	350	L 787 237 P 787 238
801 – 1600	500	L 787 239 P 787 240

## [9] Multi-part centre locking, horizontal and vertical

FFB/mm	FFH/mm	Size	SAP No.
701 – 1200	801 – 1200	400 1 P	255 285
1201 – 1400	1201 – 1550	600 1 P	255 286
1401 – 1600	1551 – 1800	600KU 1 P	622 882
		400 1 P	255 285
	1801 – 2100	600KU 1 P	622 882
		600 1 P	255 286
	2101 – 2400	2x 600KU 1 P	622 882
		400 1 P	255 285
	2401 – 2600	2x 600KU 1 P	622 882
		600 1 P	255 286
	2601 – 2800	3x 600KU 1 P	622 882
		400 1 P	255 285

## [10] NX scissor stay support pin, length 86 mm 834 705

## [11] NX scissor stay support bracket 3/ 130 859 171

## [12] NX bottom hinge support bracket NX 3/130 787 207

## [13] Bottom hinge 6 /130 263 858

## [14] RU tilt-and-turn striker

## [15] Perimeter striker OB

## [16] AN anti-burglary striker

## [17] MI micro-ventilation striker (optional) from FFB ≥ 601

## OPTIONAL EQUIPMENT

## Incorrect handle position lock/sash lifter (FFH > 511)

## [18] Espagnolette component 795 927

## [19] Frame component

## Roto NX balcony door latch (FFH > 1600)

## [20] RU espagnolette component, sash-side element 788 363

## [21] Frame component

## or alternative magnetic latch:

## [22] Espagnolette angle bracket 244 517

## [23] Frame magnet

## [26] PVC spacer element under additional scissor stay

## [27] Roto Line handle with key

## Roto NX cover cap set

Name	Colour	SAP No.
Cover cap set	R07.2	861 454
Cover cap set	R01.1	861 439
Cover cap set	R01.3	861 446
Cover cap set	R04.1	861 449
Cover cap set	R05.3	861 452
Cover cap set	R05.5	861 453

<sup>1)</sup> Espagnolette with integrated corner element

<sup>2)</sup> With special corner [4]

<sup>3)</sup> To be installed with espagnolette mounting cover – 255211

<sup>4)</sup> For FFB < 310 mm, remove the mounting clip

<sup>5)</sup> max. Kipp 80 mm

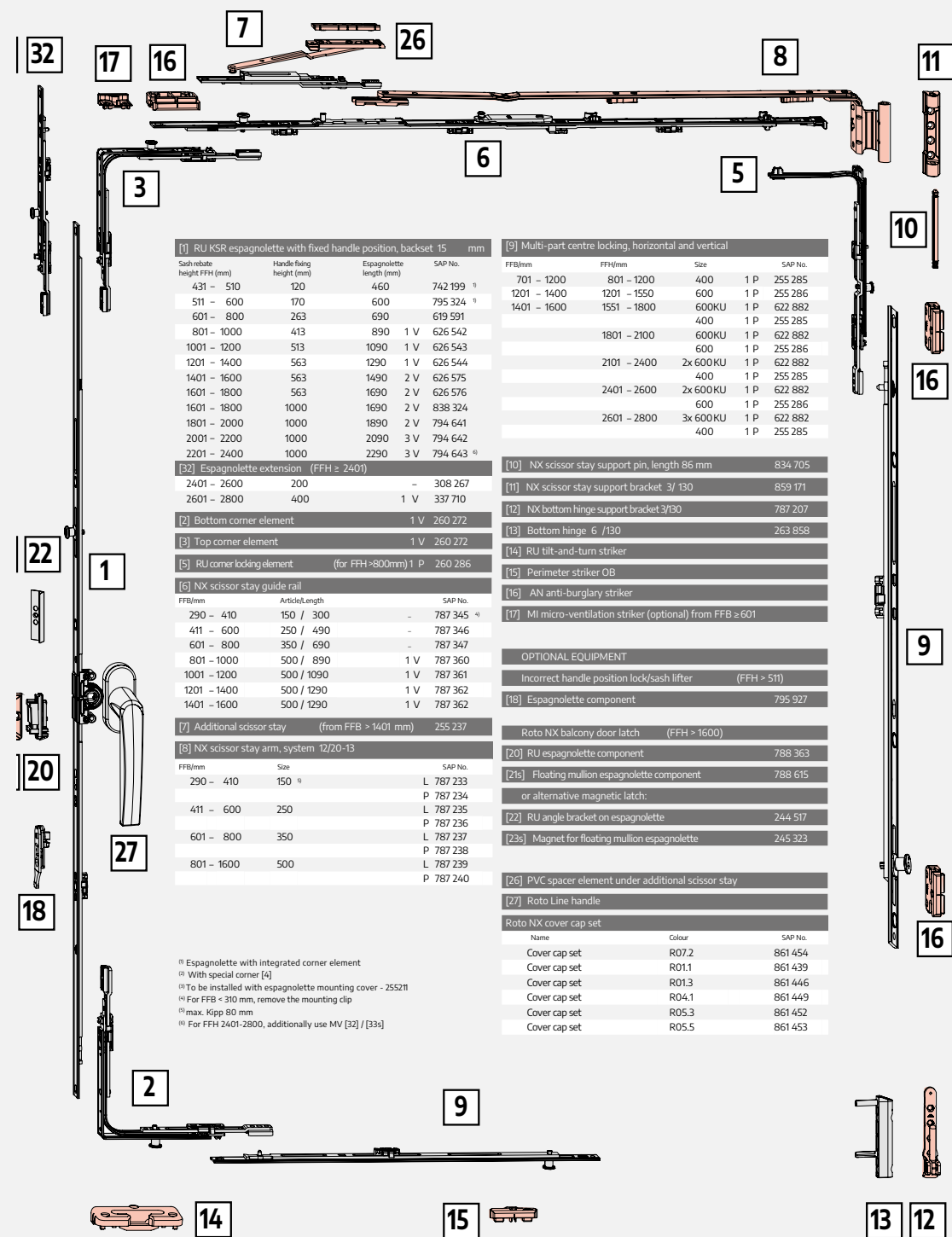
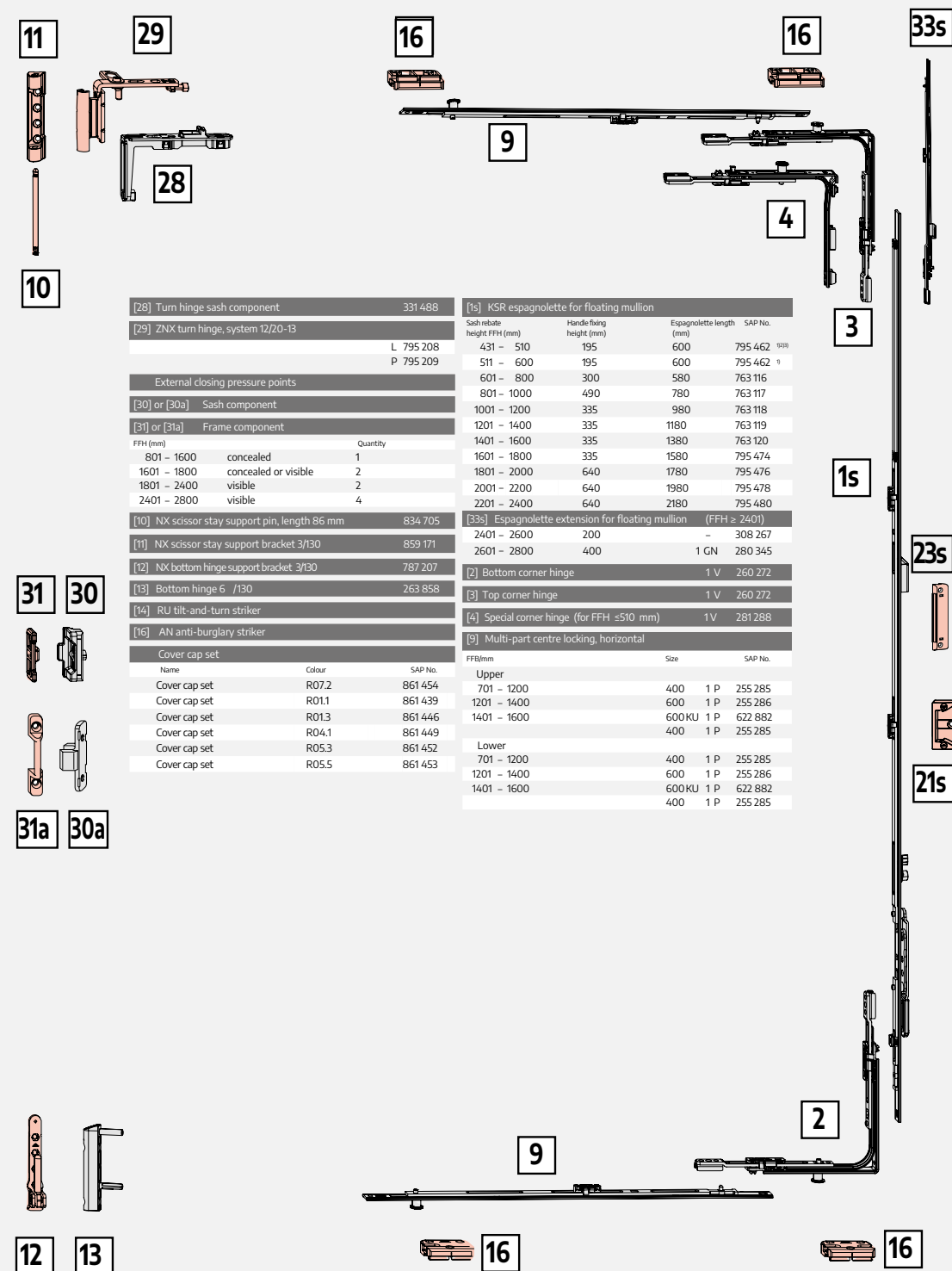
<sup>6)</sup> For FFH 2401-2800, additionally use MV [32]



# Roto NX RU+R KSR



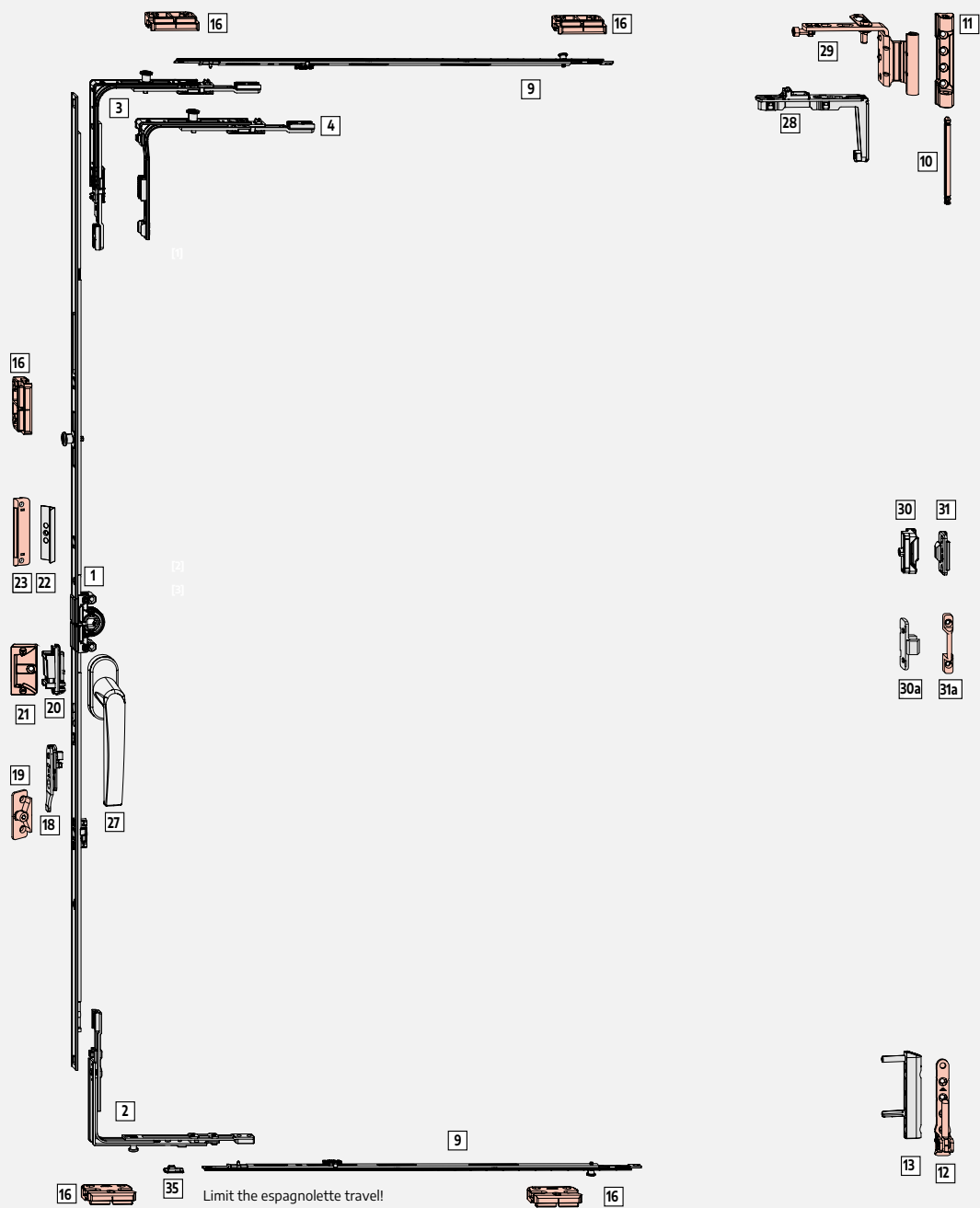
## 5 ANTI-LIFT POINTS HARDWARE FOR MOVABLE MULLION



# Roto NX R KSR



4



[1] RU KSR espagnolette with fixed handle position, backset 15 mm

Sash rebate height FFH (mm)	Handle fixing height (mm)	Espagnolette length (mm)	SAP No.
280 – 370	120	460	<b>742 199</b> <sup>(1) (2) (3)</sup>
371 – 510	120	460	<b>742 199</b> <sup>(1)</sup>
511 – 600	170	600	<b>795 324</b> <sup>(1)</sup>
601 – 800	263	690	<b>619 591</b>
801 – 1000	413	890	1 V <b>626 542</b>
1001 – 1200	513	1090	1 V <b>626 543</b>
1201 – 1400	563	1290	1 V <b>626 544</b>
1401 – 1600	563	1490	2 V <b>626 575</b>
1601 – 1800	563	1690	2 V <b>626 576</b>
1601 – 1800	1000	1690	2 V <b>838 324</b>
1801 – 2000	1000	1890	2 V <b>794 641</b>
2001 – 2200	1000	2090	3 V <b>794 642</b>
2201 – 2400	1000	2290	3 V <b>794 643</b> <sup>(6)</sup>

[32] Espagnolette extension (FFH ≥ 2401)

2401 – 2600	200	–	<b>308 267</b>
2601 – 2800	400	1 V	<b>337 710</b>

[2] Bottom corner element

		1 V	<b>260 272</b>
--	--	-----	----------------

[3] Top corner element

		1 V	<b>260 272</b>
--	--	-----	----------------

[4] Special corner element (for FFH < 370 mm) 1 V

			<b>281 288</b>
--	--	--	----------------

[28] Turn hinge sash component

			<b>331 488</b>
--	--	--	----------------

[29] NX turn hinge, system 12/20-13

		L	<b>795 208</b>
		P	<b>795 209</b>

Closing pressure points:

[30] or [30a]	Sash component
[31] or [31a]	Frame component

FFH/mm		Quantity
801 – 1600	concealed	1
1601 – 1800	concealed or visible	2
1801 – 2400	visible	2
2401 – 2800	visible	4

[9] Multi-part horizontal centre locking

FFB/mm	Size	SAP No.
Upper		
701 – 1200	400 1 P	<b>255 285</b>
1201 – 1400	600 1 P	<b>255 286</b>
1401 – 1600	600KU 1 P	<b>622 882</b>
	400 1 P	<b>255 285</b>

Lower

701 – 1200	400 1 P	<b>255 285</b>
1201 – 1400	600 1 P	<b>255 286</b>
1401 – 1600	600KU 1 P	<b>622 882</b>
	400 1 P	<b>255 285</b>

[10] NX scissor stay support pin, length 86 mm

	<b>834 705</b>
--	----------------

[11] NX scissor stay support bracket 3/ 130

	<b>859 171</b>
--	----------------

[12] NX bottom hinge support bracket NX 3/130

	<b>787 207</b>
--	----------------

[13] Bottom hinge 6 / 130

	<b>263 858</b>
--	----------------

[14] RU tilt-and-turn striker

--	--

[16] AN anti-burglary striker

--	--

OPTIONAL EQUIPMENT

Incorrect handle position lock/sash lifter	(FFH > 511)
--	-------------

[18] Espagnolette component

	<b>795 927</b>
--	----------------

[19] Frame component

--	--

Roto NX balcony door latch (FFH > 1600)

--	--

[20] RU espagnolette component, sash-side element

	<b>788 363</b>
--	----------------

[21] Frame component

--	--

or alternative magnetic latch:

--	--

[22] Espagnolette angle bracket

	<b>244 517</b>
--	----------------

[23] Frame magnet

--	--

[27] Roto Line handle with key

--	--

[35] Espagnolette opening limiter 90 °

	<b>264 603</b>
--	----------------

Roto NX cover cap set

Name	Colour	SAP No.
Cover cap set	R07.2	<b>861 454</b>
Cover cap set	R01.1	<b>861 439</b>
Cover cap set	R01.3	<b>861 446</b>
Cover cap set	R04.1	<b>861 449</b>
Cover cap set	R05.3	<b>861 452</b>
Cover cap set	R05.5	<b>861 453</b>

<sup>(1)</sup> Espagnolette with integrated corner element  
<sup>(2)</sup> With special corner [4]  
<sup>(3)</sup> To be installed with espagnolette mounting cover – 255211  
<sup>(6)</sup> For FFH 2401-2800, additionally use MV [32]

ALUMINIUM SYSTEMS

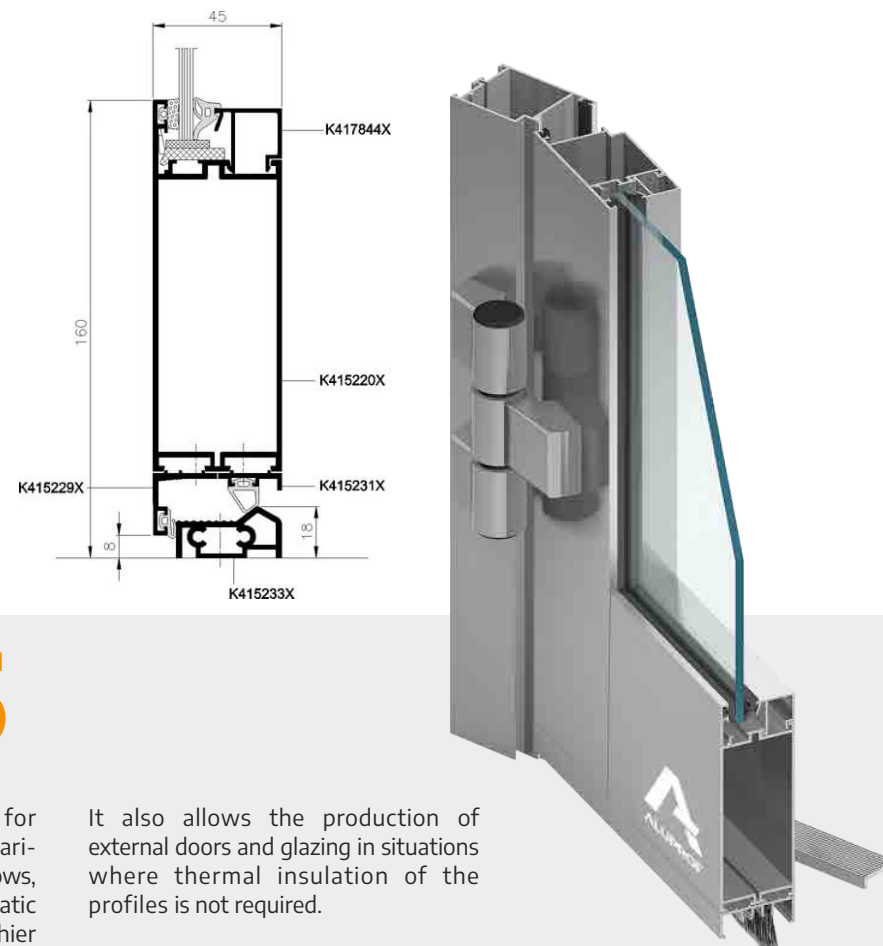
ALUPROF

**ALUPROF**  
ALUMINIUM SYSTEMS

Aluprof aluminium systems enable the construction of many different types of windows and doors depending on the intended application and specific requirements regarding functionality, aesthetics, thermal insulation, burglary resistance, smoke-tightness, or fire resistance.

aluminium systems





# MB45

This system is primarily used for creating internal infill elements of various types of partition walls, windows, doors – including sliding and automatic doors, vestibules, shopfronts, cashier boxes, display cabinets, etc. The system is the foundation for special solutions: partitions.

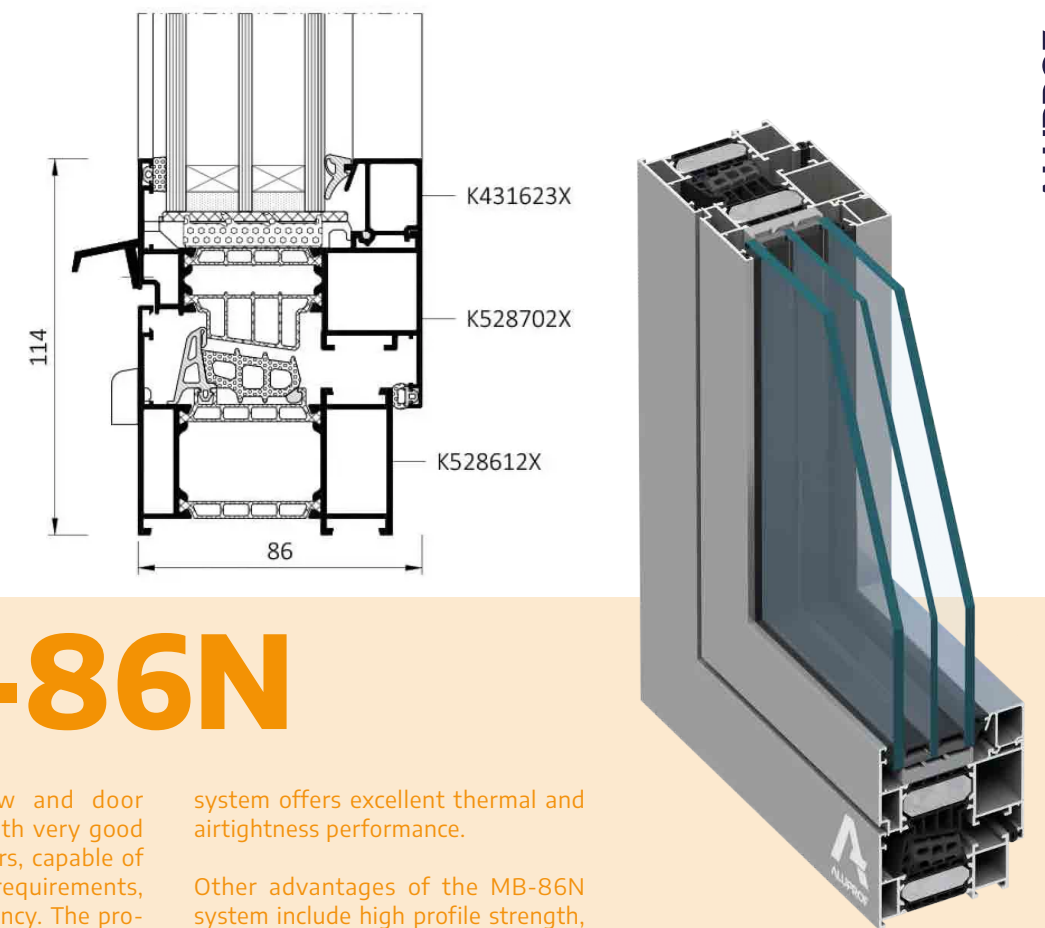
It also allows the production of external doors and glazing in situations where thermal insulation of the profiles is not required.

# MB-86N

The MB-86N window and door system is a product with very good performance parameters, capable of meeting diverse user requirements, including energy efficiency. The profile construction has two variants depending on thermal energy saving requirements: ST and SI. The MB-86N

system offers excellent thermal and airtightness performance.

Other advantages of the MB-86N system include high profile strength, enabling the construction of large and heavy structures.



# MB-79N

This is the most advanced window and door system in Aluprof's product range. It was designed to meet enhanced thermal insulation requirements. It is used for the construction of structures

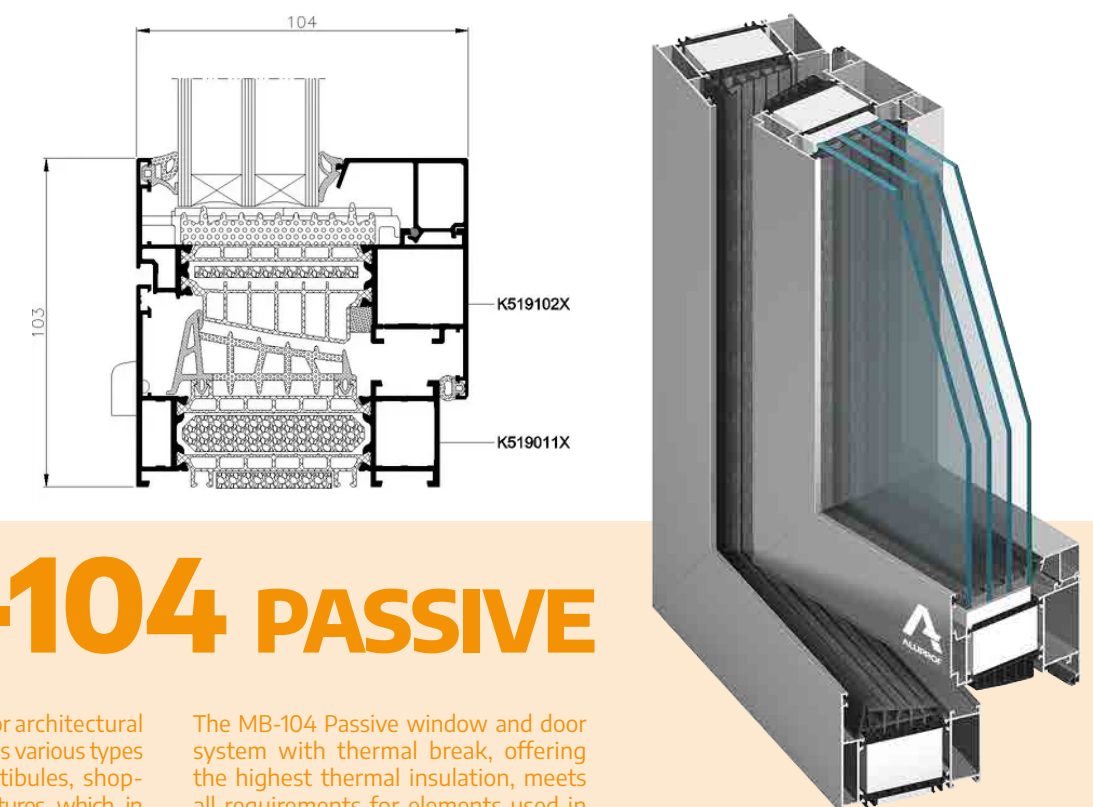
including fixed, tilt, turn, tilt-and-turn and tilt-and-slide windows, as well as single- and double-leaf external doors.



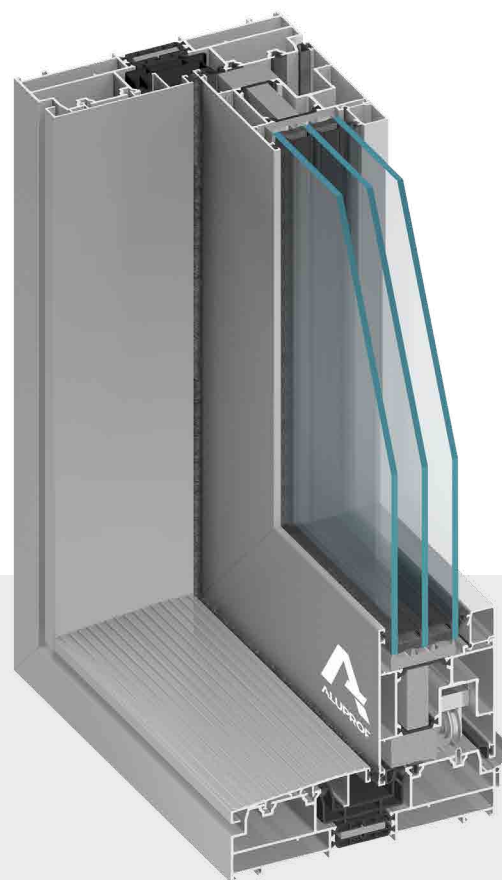
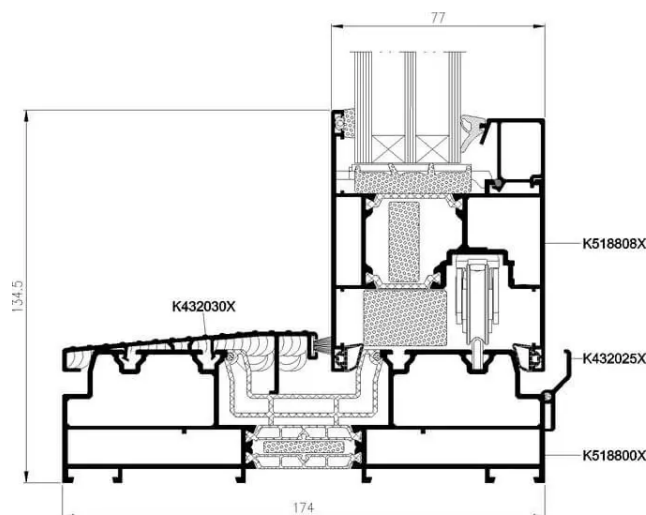
# MB-104 PASSIVE

This system is also used for architectural external elements such as various types of windows, doors, vestibules, shopfronts, and spatial structures, which, in addition to excellent thermal insulation, also provide very good acoustic insulation, water and air tightness, and high structural durability.

The MB-104 Passive window and door system with thermal break, offering the highest thermal insulation, meets all requirements for elements used in passive construction.

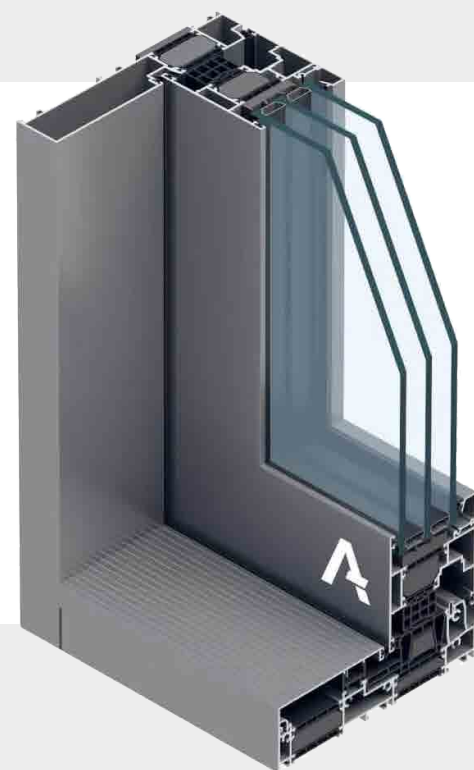
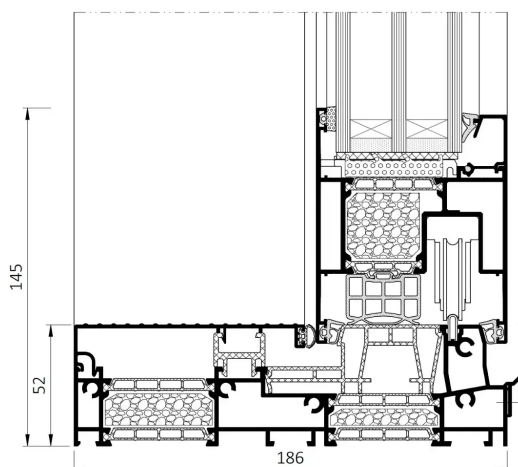






# MB-77HS

Lift-and-slide doors are an ideal solution as infill systems connecting rooms or conservatories to the external environment, providing convenient access to a balcony, terrace, or open garden space.

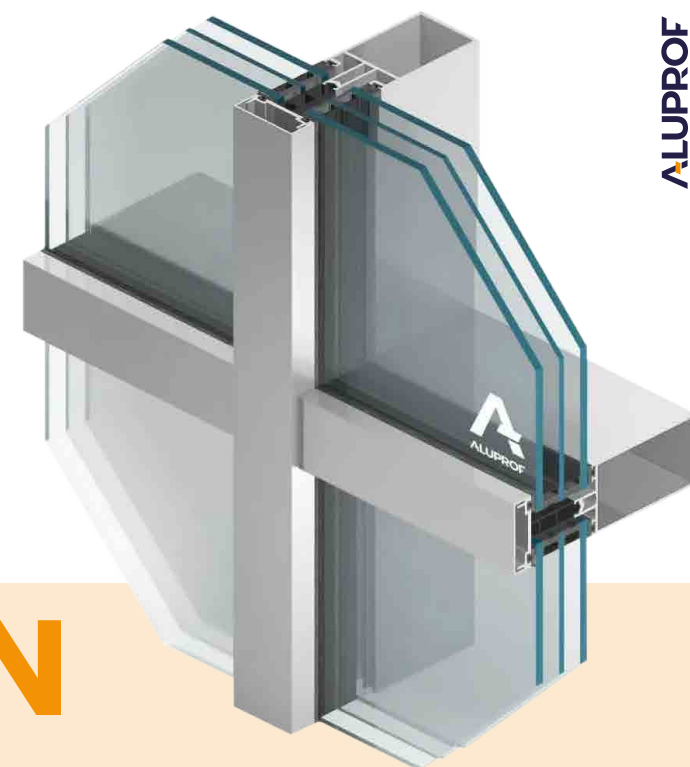
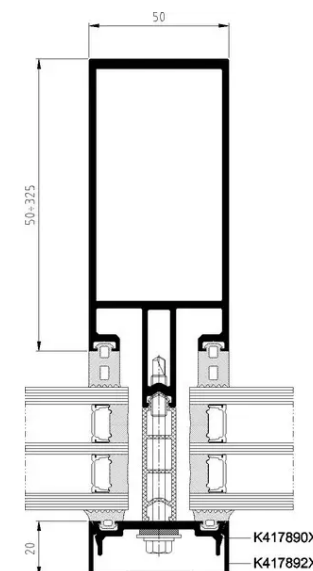


# MB-82HS

The MB-82HS lift-and-slide patio door system with thermal break is perfectly suited to modern interiors. It enables the creation of user-friendly infill solutions connecting the living room to the terrace. It features high aesthetics, simplified prefabrication, and excellent technical performance, including high thermal insulation and airtightness and

watertightness. Thanks to its performance, MB-82HS doors can be used in buildings with strict energy efficiency requirements. Technical features such as the recessed "zero" threshold built into the floor, systemised linear drainage, narrow mullion, and absence of masking strips ensure that the

MB-82HS doors visual appeal is matched by functionality and user comfort.



# MB-SR50N

The MB-SR50N mullion-and-transom system is designed for constructing and producing lightweight curtain walls of suspended and infill types, as well as roofs, skylights, and other spatial structures. In line with current architectural trends, it allows the internal alignment of

mullions and transoms from the façade side and enables obtaining a variety of external appearances. This system is also the basis for the MB-SR50N HI+. version with enhanced thermal insulation.





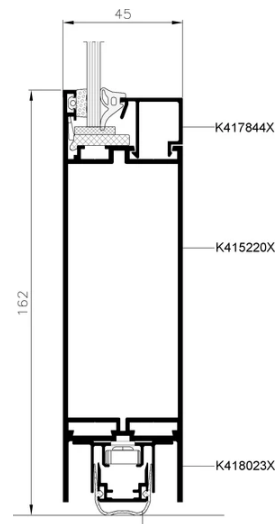


# ALUPROF

## ALUMINIUM SYSTEMS

fire and smoke control systems

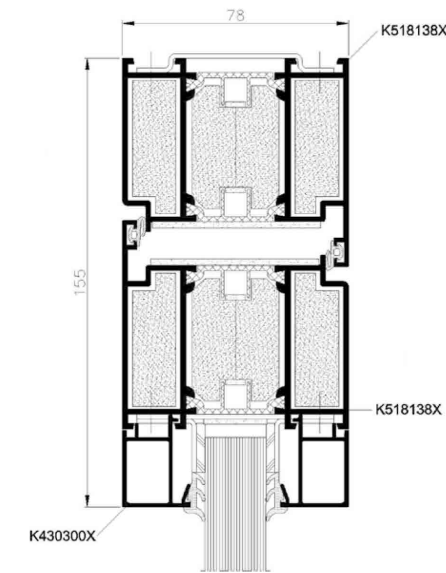




## MB-45D

The MB-45D construction, based on the MB-45 system, includes partition walls with single- and double-leaf smoke-control doors in class S200, Sa, Sa according to PN-EN 13501-2. The smoke-tight performance of the doors mainly depends on correct application of perimeter gaskets on the leaves,

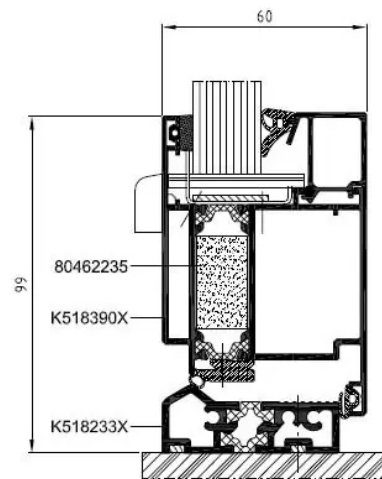
installation of glass and other infills, and use of threshold gaskets.



## MB-78EI

The MB-78EI system structure is based on thermally insulated aluminium profiles with a depth of 78 mm. They feature low thermal transmittance thanks to the use of, among other things, specially profiled 34 mm wide thermal breaks.

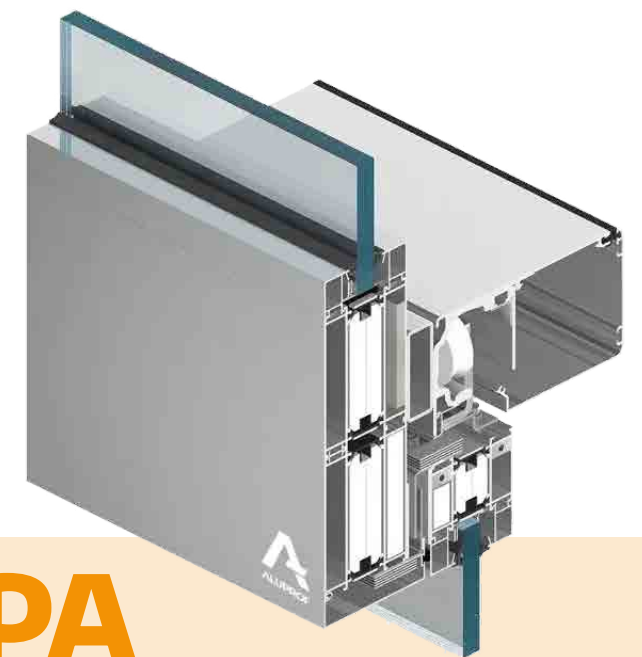
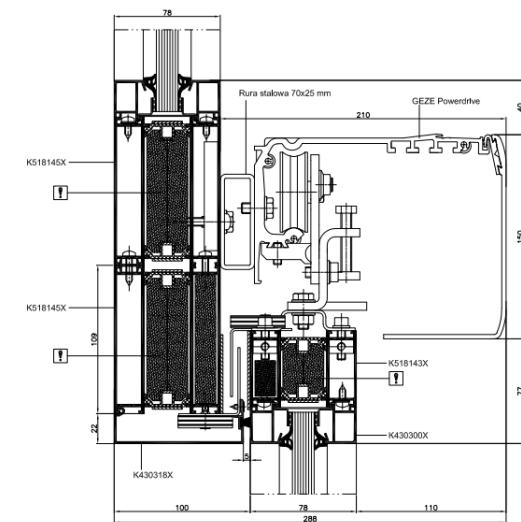
The resistance of the construction to high temperatures is ensured by special fire-insulating elements (GKF or CI) inserted into the internal chambers of the profiles and the insulation spaces between profiles, as well as steel accessories and connectors.



## MB-60E EI

MB-60E EI is an economical system for partition walls and fire-rated doors, designed for internal partitions with single- and double-leaf doors, as well as technical windows. It allows the creation of both frameless partitions and traditional profile-based partitions.

The MB-60E EI system allows the design of large glass partitions that are visually lightweight and aesthetically appealing. Structures produced in this system can be used on escape routes and can also serve as ventilation for stairwells.

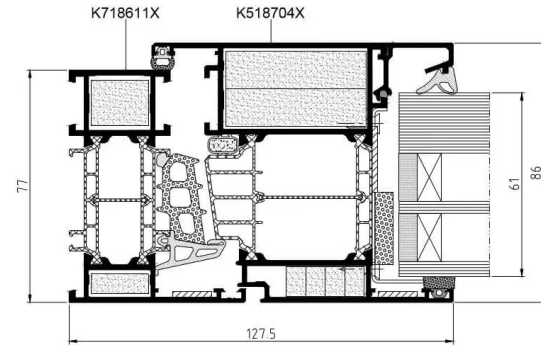


## MB-78EI DPA

Automatic doors are associated with convenience, modernity, and effortless access to a building's interior. But what if comfort must go hand in hand with fire safety? The MB-78EI DPA system from Aluprof addresses this need by combining automatic

operation with certified fire protection. This solution is intended for public buildings where entrance areas must meet the highest safety standards. The MB-78EI DPA not only allows touchless opening and closing but also operates according to an emergency

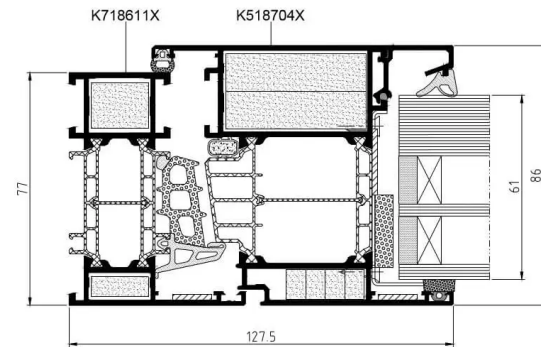
scenario – in the event of a fire, it acts as a protective barrier that limits the spread of flames.



# MB-86EI

The MB-86 EI system combines the advantages of a classic window and door system with the properties of fire-resistant partitions in terms of thermal performance, functional strength, and production technology. Constructions produced in this system comply with all applicable

regulations and standards, particularly those concerning energy efficiency and environmental protection, while providing appropriate fire safety. The system is classified as non-fire-spreading (NRO).

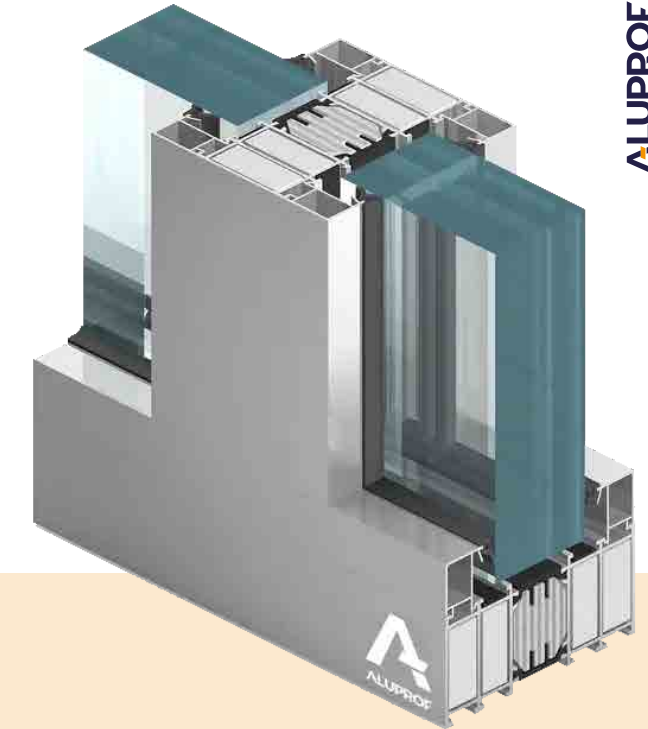
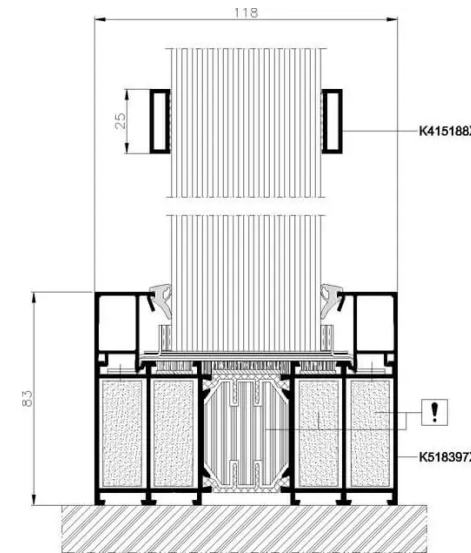


# MB-86N EI

The MB-86N EI system is designed for high thermal insulation constructions, including windows, doors, and partition walls in fire resistance class EI30, as well as doors in class EI260 according to EN 13501-2. Based on the MB-86N system, it provides excellent thermal and acoustic insulation and is watertight

and airtight. The MB-86N EI system combines the advantages of a conventional window and door system with the properties of fire-resistant partitions. Constructions produced in this system comply with all applicable regulations and standards, particularly those relating to energy efficiency and environmental

protection, while providing appropriate fire safety. The system is classified as non-fire-spreading (NRO).



# MB-118EI

The MB-118EI system is based on thermally insulated, five-chamber aluminium profiles with a construction depth of 118 mm. Fire-insulating elements are inserted into the internal chambers of the profiles and the insulation spaces between profiles.

On the external surfaces, intumescent strips are additionally applied, and the construction is completed with steel accessories connecting both parts of the profiles. Infill panels in MB-118EI partitions can have a thickness of 48–84 mm. Thanks to its symmetrical design,

constructions produced in this system maintain fire resistance class EI120, whether exposed to fire from the exterior or interior.





PROCURAL building systems are used in window and door constructions, façade walls, conservatories, solar shading, and in specialised solutions of various types, including fire-resistant constructions.

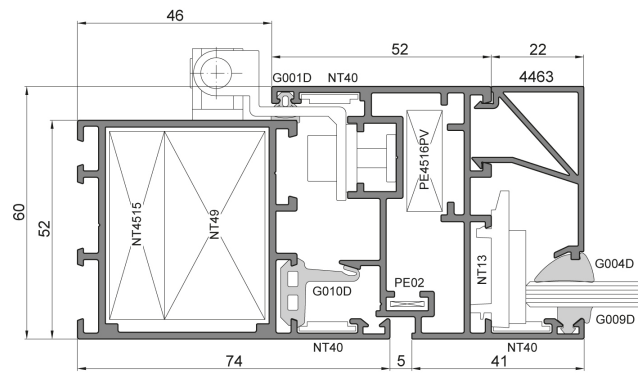
Innovative system solutions applied in buildings with diverse functions meet stringent requirements for energy efficiency, comfort, and safety.



PROCURAL

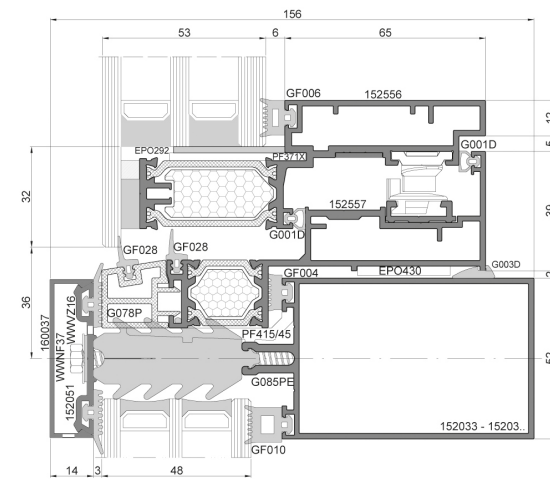
aluminium systems





# PE50

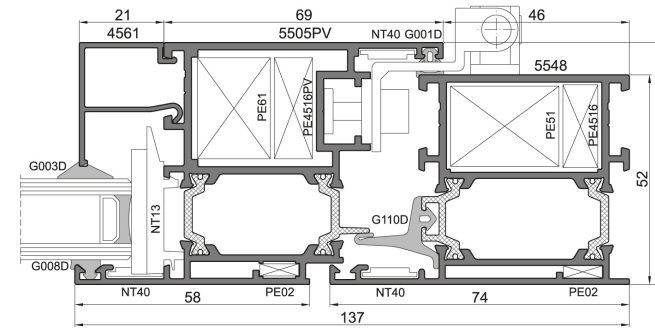
Thermally non-insulated aluminium profile system intended for internal constructions, such as lightweight partition walls, windows, and internal doors.



# PF152HI

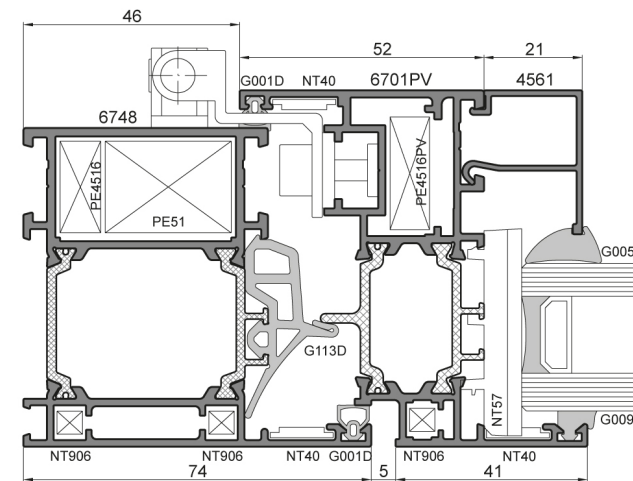
Mullion-and-transom system for high thermal insulation, most commonly used in energy-efficient buildings. A specially designed thermal insert fills

the inter-glass space, improving the overall performance of the construction both in terms of shape and thermal properties.



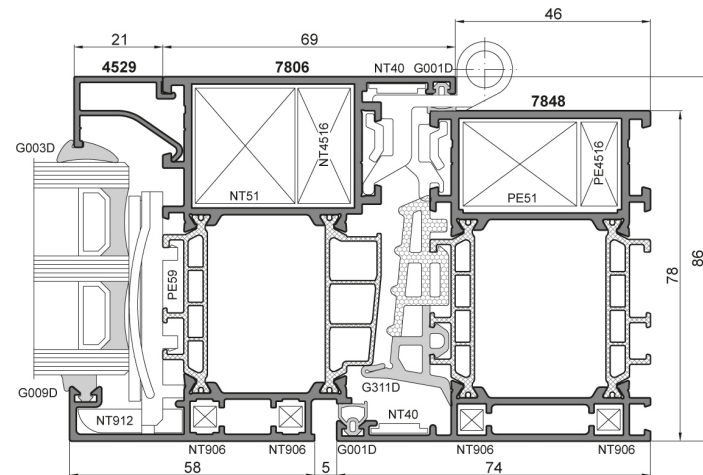
# PE52

The system is designed for external infill elements that require minimal thermal insulation.



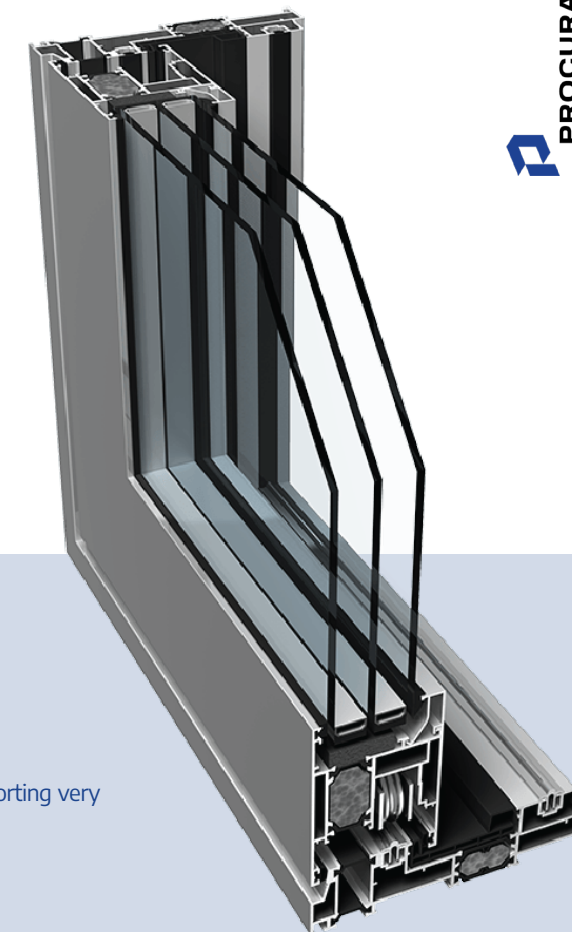
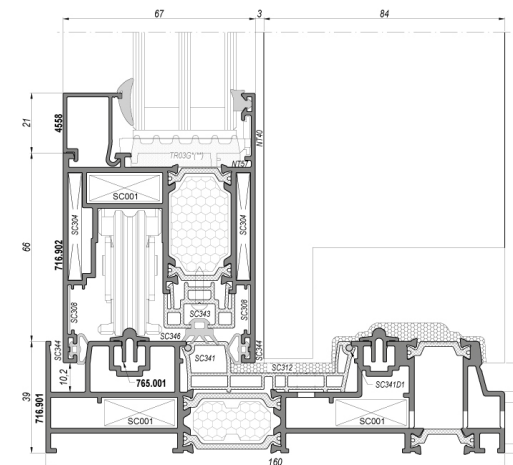
# PE68

Three-chamber thermally insulated system is designed for window and door constructions. Use of profiled 24 mm wide thermal breaks

**PROCURAL PE78N**

# PE78N

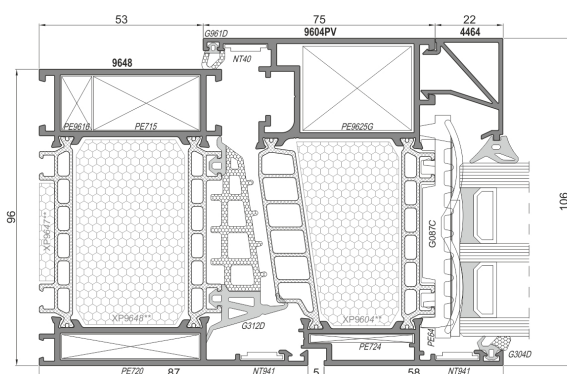
Three-chamber thermally insulated system for window and door constructions with high thermal performance.



# SL1600

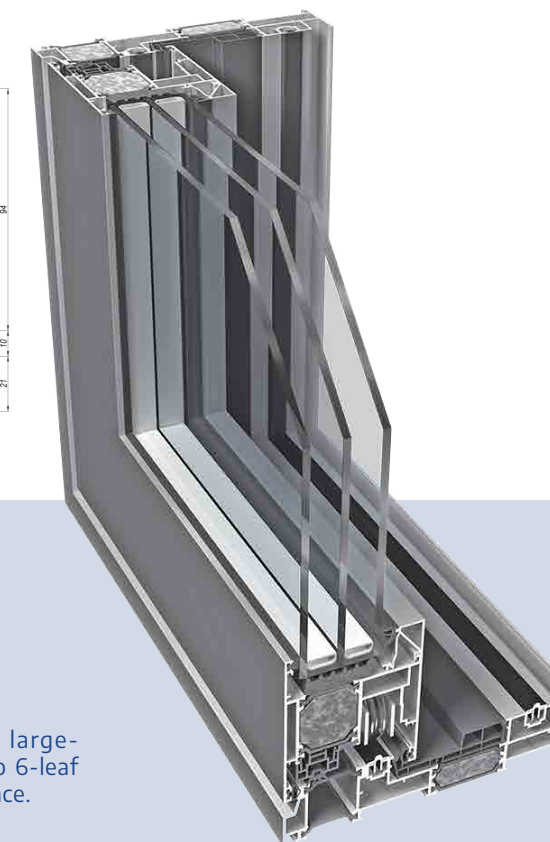
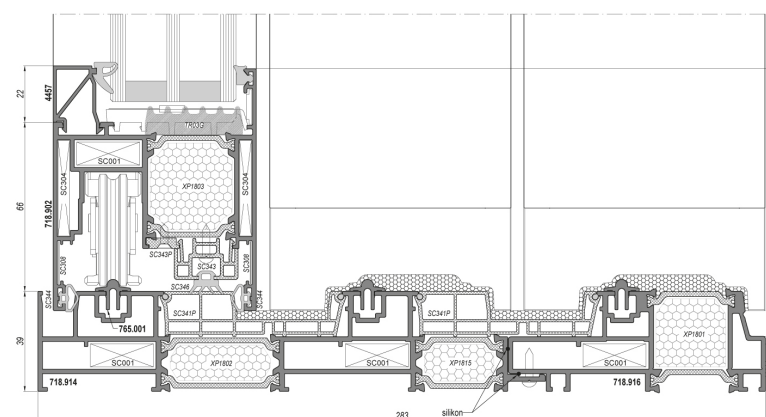
Thermally insulated lift-and-slide system designed for external infill elements. Profile design allows the construction of stable structures of large dimensions,

even with 8-leaf panels, supporting very heavy sashes.



# PE96HI

Three-chamber profile system  
meeting the highest requirements  
for thermal insulation.

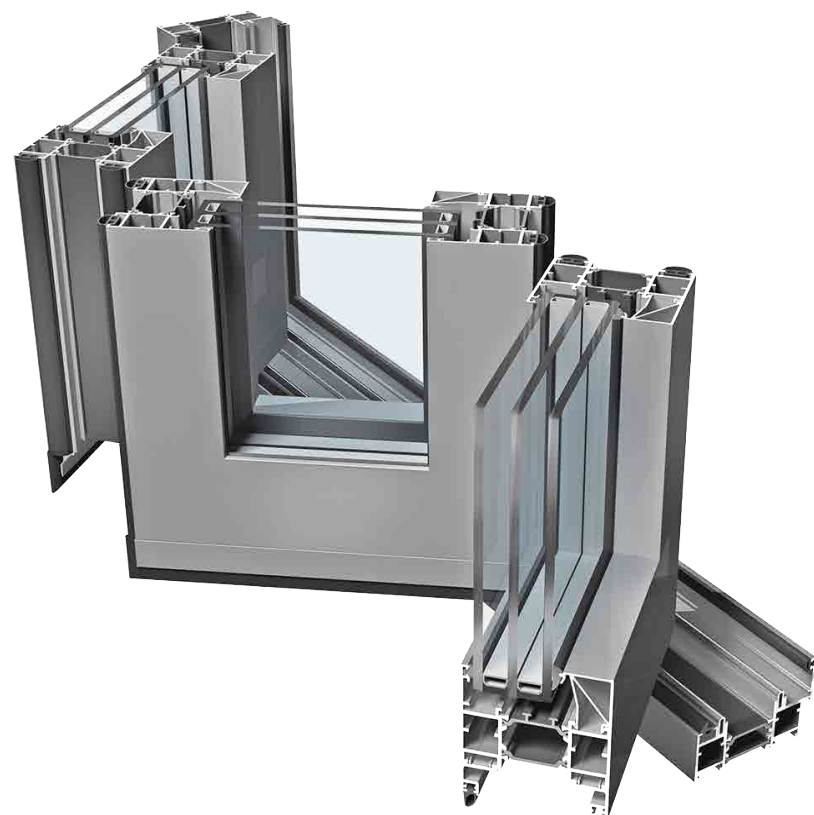


# SL1800

Thermally insulated lift-and-slide system.  
By using a wider thermal break, deeper sashes, and glazing up to 61 mm, superior thermal performance is achieved, with  $U_w < 0.9 \text{ W/m}^2\text{K}$ .

Allows construction of large-format structures, even up to 6-leaf panels. High weather resistance.

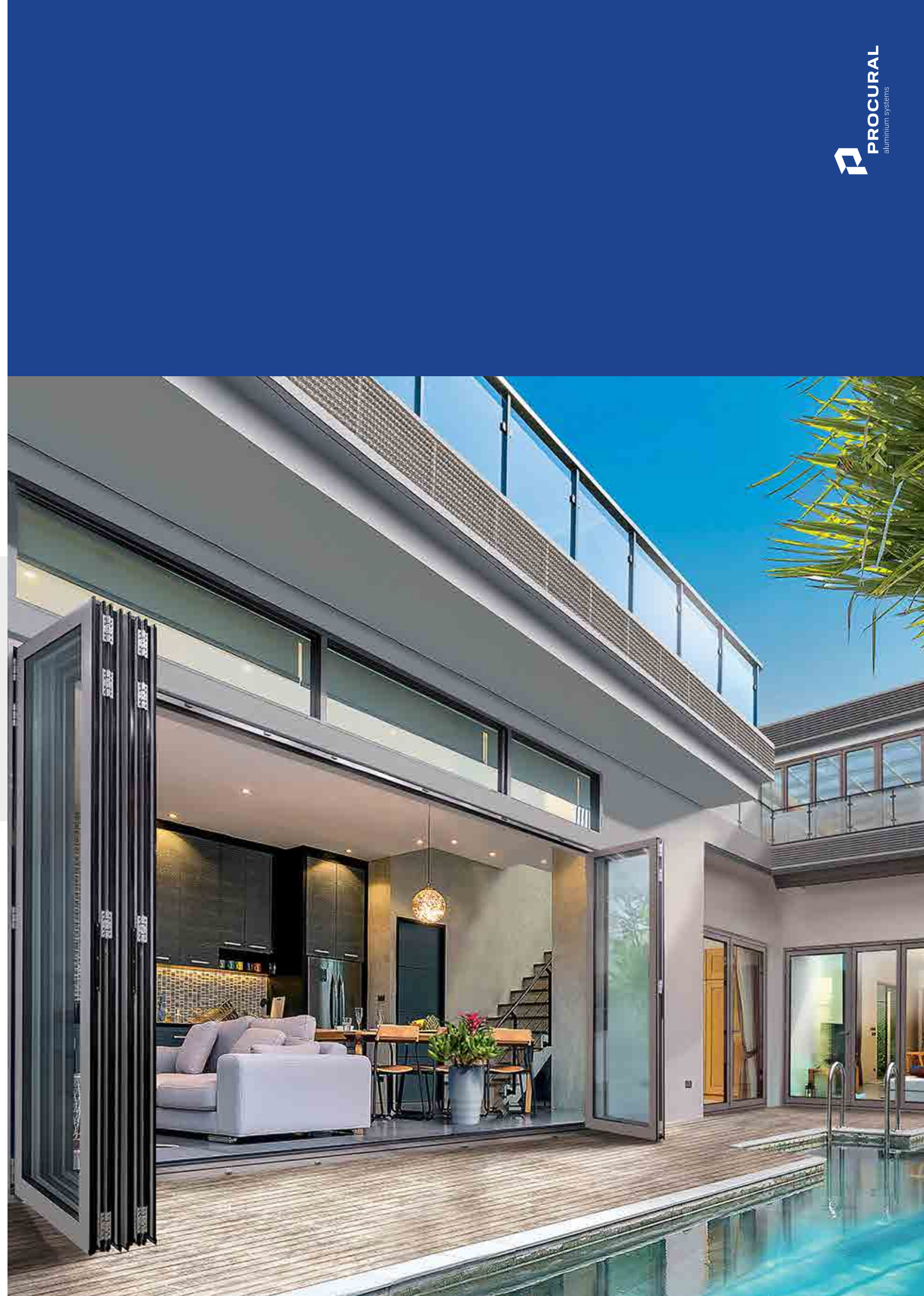
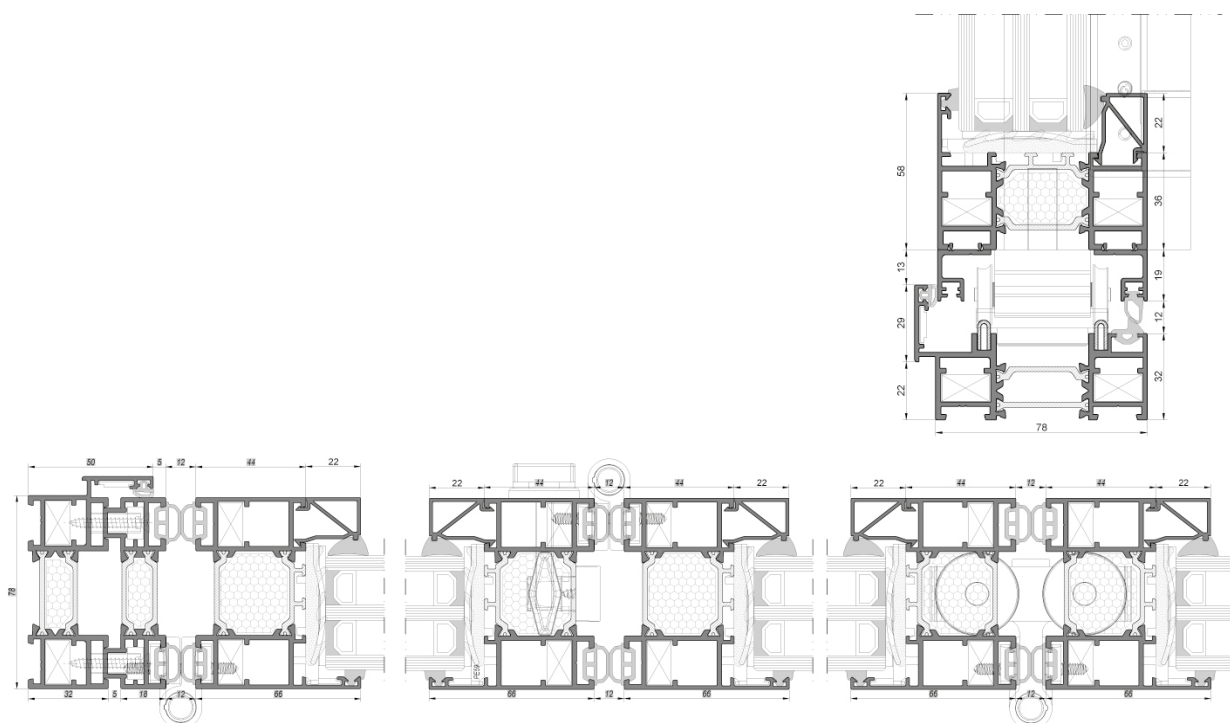




# PE78 FOLD

An ideal solution for homes, restaurants, or cafés, connecting internal and external spaces. Allows the creation of multi-leaf structures that open both inward and outward from the building.

Three-chamber construction provides high profile strength, enabling large-format structures.







# roof windows

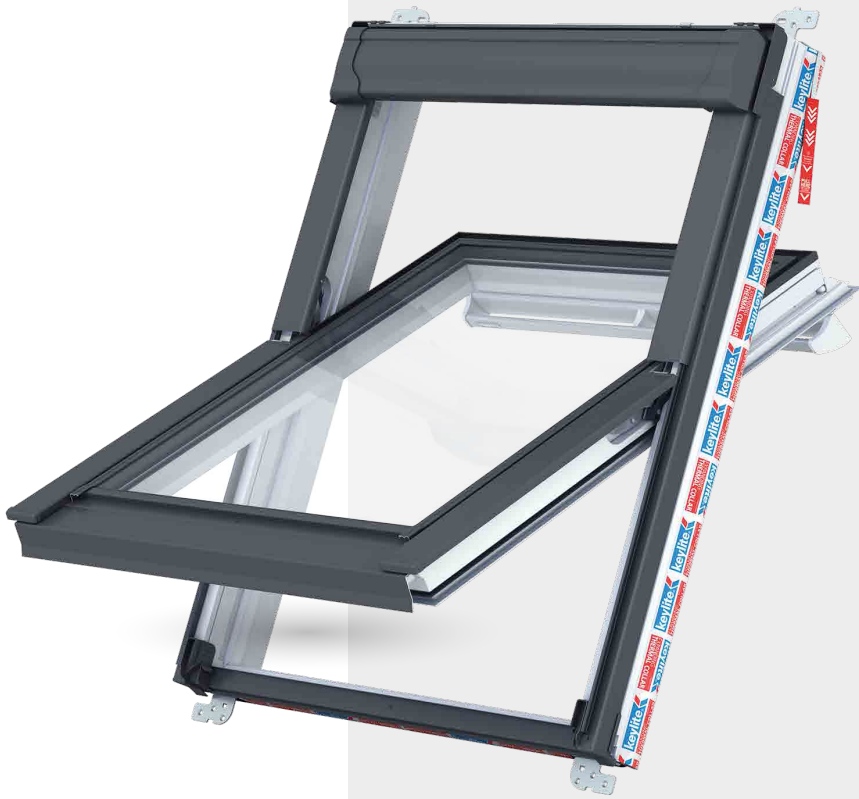
# Prestige

## PVC

material	PVC		
glazing package type	2-3 panes with warm edge spacer		
glazing packages details	tempered external glass		
opening method	pivot on central axis		
handle	upper / lower; upper handle also functions as a ventilation control		
type of insulation	zintegrowany rozprężny kołnierz termoizolacyjny zamontowany w ramie		
type of hinges	sprężynowy zawias skrzydła okiennego		
fitting accessories	kątowniki montażowe „Flick Fit”		
type of reinforcement		steel	
internal colour		white	
cladding colour:		grey	RAL 7010
		black	RAL 9005
supplementary products		interior blinds fabric	
recommended installation		at 15-90° using an appropriate flange	
Warranty period:		10 years	

## WOOD

material	wood		
glazing package type	2-3 panes with warm edge spacer		
glazing packages details	tempered external glass		
opening method	pivot on central axis		
handle	upper / lower; upper handle additionally functions as a ventilation control		
type of insulation	integrated expanding thermal flange fitted in the frame		
type of hinges	spring-loaded window sash hinges		
fitting accessories		“Flick Fit” mounting brackets	
internal colour		pine, white lacquer	
cladding colour:		grey	RAL 7010
		black	RAL 9005
supplementary products		interior fabric roller blinds	
recommended installation		at 15-90° using an appropriate flange	
Warranty period:		10 years	



# Standard



## WOOD

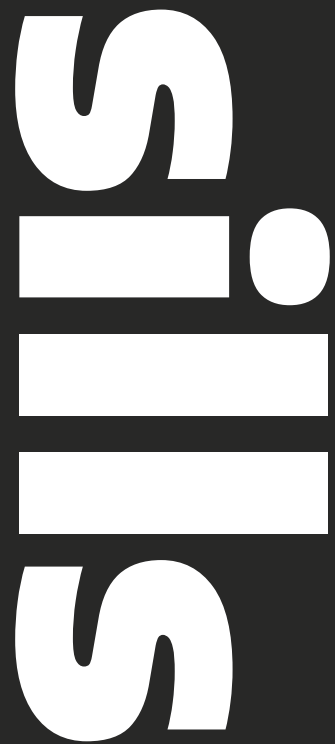
material	wood
glazing package type	2-3 panes with warm edge spacer
glazing packages details	tempered external glass
opening method	pivot on central axis
handle	lower handle with micro-ventilation; option for an additional ventilator
interior colours	pine / white lacquer
cladding colour:	grey ——— RAL 7010 black ——— RAL 9005

fitting accessories	steel corner brackets included as standard
type of hinges	spring-loaded window sash hinges
supplementary products	interior fabric roller blinds
recommended installation	at 15-90° using an appropriate flange

Warranty period 10 years 







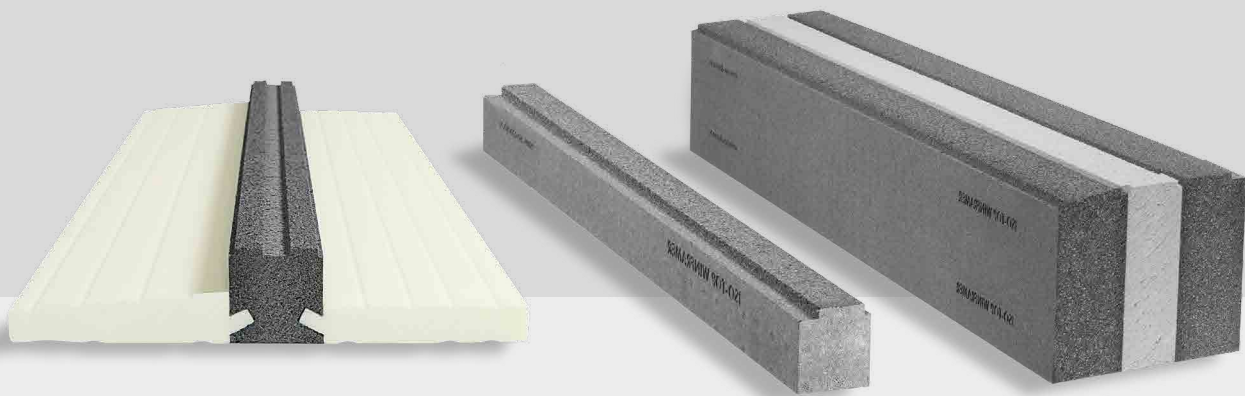
The Monolit sills utilise modern, technologically advanced solutions to ensure optimal stability and excellent thermal insulation.

Your rooms will remain comfortably warm during the winter and pleasantly cool in the summer heat.

Ensure optimal sealing and thermal insulation, which translates into energy savings and lower bills!

With tight installation, your windows and doors will prevent unwanted heat loss from your home. This will result in savings on your energy bills.

# MONOTHERM



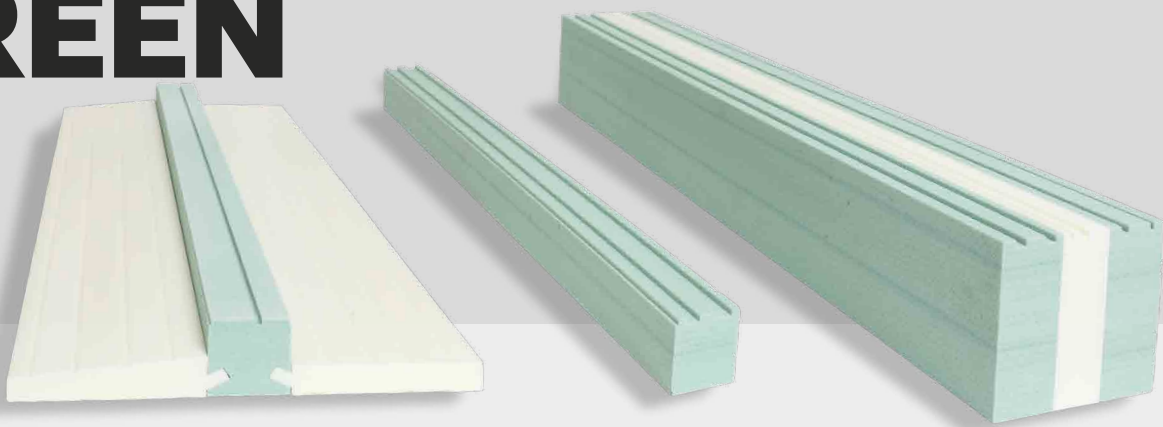
<b>W/m²K</b>	<b>0.040</b>	sill thickness (beam) (mm)	<b>50, 60, 70, 80, 90, 100</b>
base material	<b>Thermapor (EPS-F)</b>	sill thickness (slide, HST) (mm)	<b>130, 150, 170</b>
compressive strength at 10% (kg/cm²)	<b>17.5</b>	visible height (standard) (mm) / other heights available on request /	<b>30-300</b>

# MONOTHERM PUR



<b>W/m²K</b>	<b>0.088</b>	sill thickness (slide, HST) (mm)	<b>50, 60, 70</b>
base material	<b>thermal insulation board made from rigid polyurethane foam</b>	sill thickness (beam) (mm)	<b>130, 150, 170</b>
compressive strength at 10% (kg/cm²)	<b>68</b>	visible height (standard) (mm) / other heights available on request /	<b>30-300</b>

# MONOTHERM GREEN



<b>W/m²K</b>	<b>0.036</b>	sill thickness (beam) (mm)	<b>50, 60, 70</b>
base material	<b>Recyklat Pet</b>	sill thickness (slide, HST) (mm)	<b>130, 150, 170</b>
compressive strength at 10% (kg/cm²)	<b>25</b>	visible height (standard) (mm) / other heights available on request /	<b>30-300</b>

# MONOTHERM PUR X PVC



<b>W/m²K</b>	<b>0.060</b>	sill thickness (beam) (mm)	<b>60, 70</b>
base material	<b>rigid polyurethane foam combined with XPS and PVC cladding</b>	sill thickness (slide, HST) (mm)	<b>130, 150, 170</b>
pressive strength at 10% (kg/cm²)	<b>35</b>	visible height (standard) (mm) / other heights available on request /	<b>30-300</b>



# MONOTHERM WHITE



**W/m²K** **0.036**

base material **specifically hardened expanded polystyrene (EPS)**

compressive strength at 10% (kg/cm²) **7.5**

sill thickness (beam) (mm) **50, 60, 70, 80, 90, 100**

sill thickness (slide, HST) (mm) **130, 150, 170**

visible height (standard) (mm) **30-300**  
/ other heights available on request /

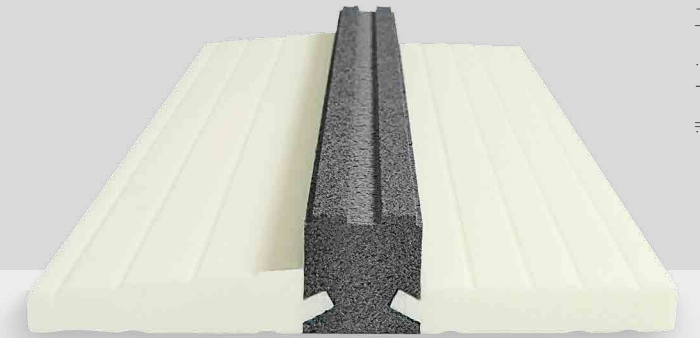




# insulated window sills



## MONOCORE PLUS



sills | insulated window sills

**W/m²K**

**0,040**

material

**combination of XPS and MonoTHERM, core made from rigid MonoTHERM material**

compressive strength at 10% (kg/cm²)

**17,5**

visible height (standard) (mm)

**60**

## GARAGE THRESHOLD



material

**MonoTHERM PUR lub MonoTHERM GREEN**

compressive strength at 10% (kg/cm²)

**depending on the chosen type of sill**

visible height (standard) (mm)

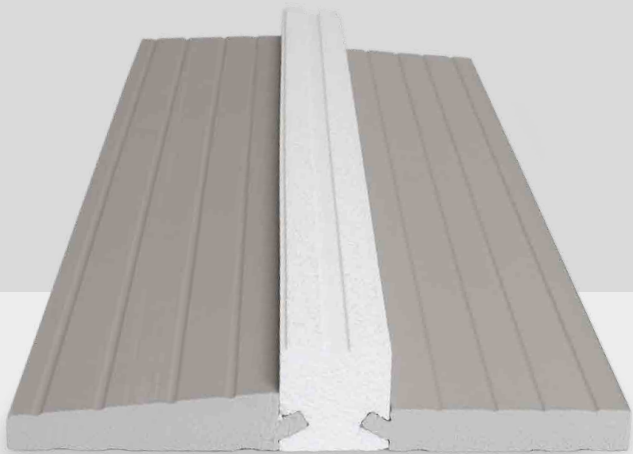
**30-300**

# MONOCORE PUR



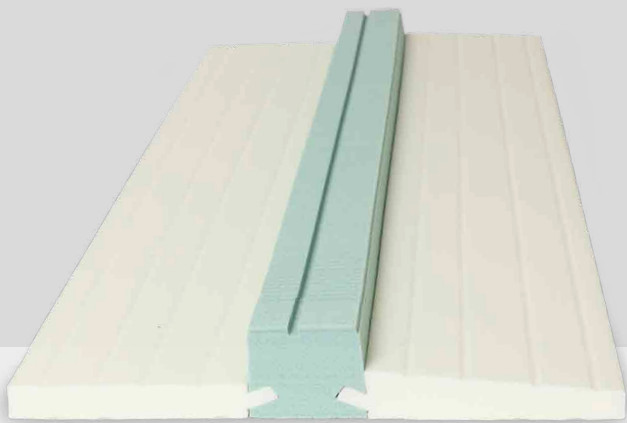
<b>W/m²K</b>	<b>0.088</b>	compressive strength at 10% (kg/cm²)	<b>68</b>
material	<b>polyurethane foam</b>	visible height (standard) (mm)	<b>60</b>

# MONOCORE WHITE



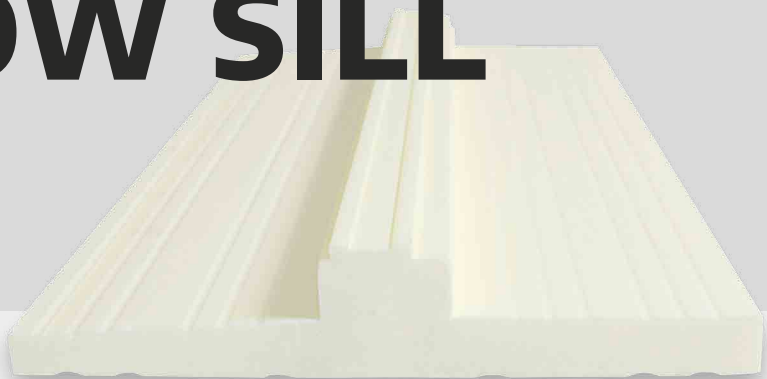
<b>W/m²K</b>	<b>0.036</b>	material	<b>specifically hardened expanded polystyrene</b>
compressive strength at 10% (kg/cm²)	<b>7.5</b>	visible height (standard) (mm)	<b>60</b>

# MONOCORE GREEN



<b>W/m²K</b>	<b>0.036</b>	material	<b>Recycled PET / material 100% from recycling</b>
compressive strength at 10% (kg/cm²)	<b>25</b>	visible height (standard) (mm)	<b>60</b>

# INSULATED WINDOW SILL XPS



<b>W/m²K</b>	<b>0.036</b>	compressive strength at 10% (kg/cm²)	<b>3</b>
material	<b>extruded polystyrene (XPS)</b>	visible height (standard) (mm)	<b>60</b>



# mosquito nets, gates and shutters



## FRAMED AND PLEATED MOSQUITO NETS

WE SAY “**STOP**” TO UNINVITED GUESTS! MOSQUITO NETS FROM OUR OFFER GUARANTEE PEACEFUL SLEEP AND PROTECTION AGAINST INSECTS. MADE FROM THE HIGHEST-QUALITY MATERIALS, THEY ARE DURABLE AND AESTHETIC, SUITABLE FOR ANY WINDOW.

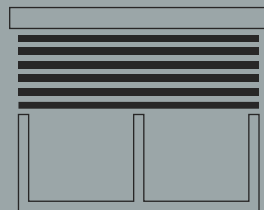


## GARAGE GATES

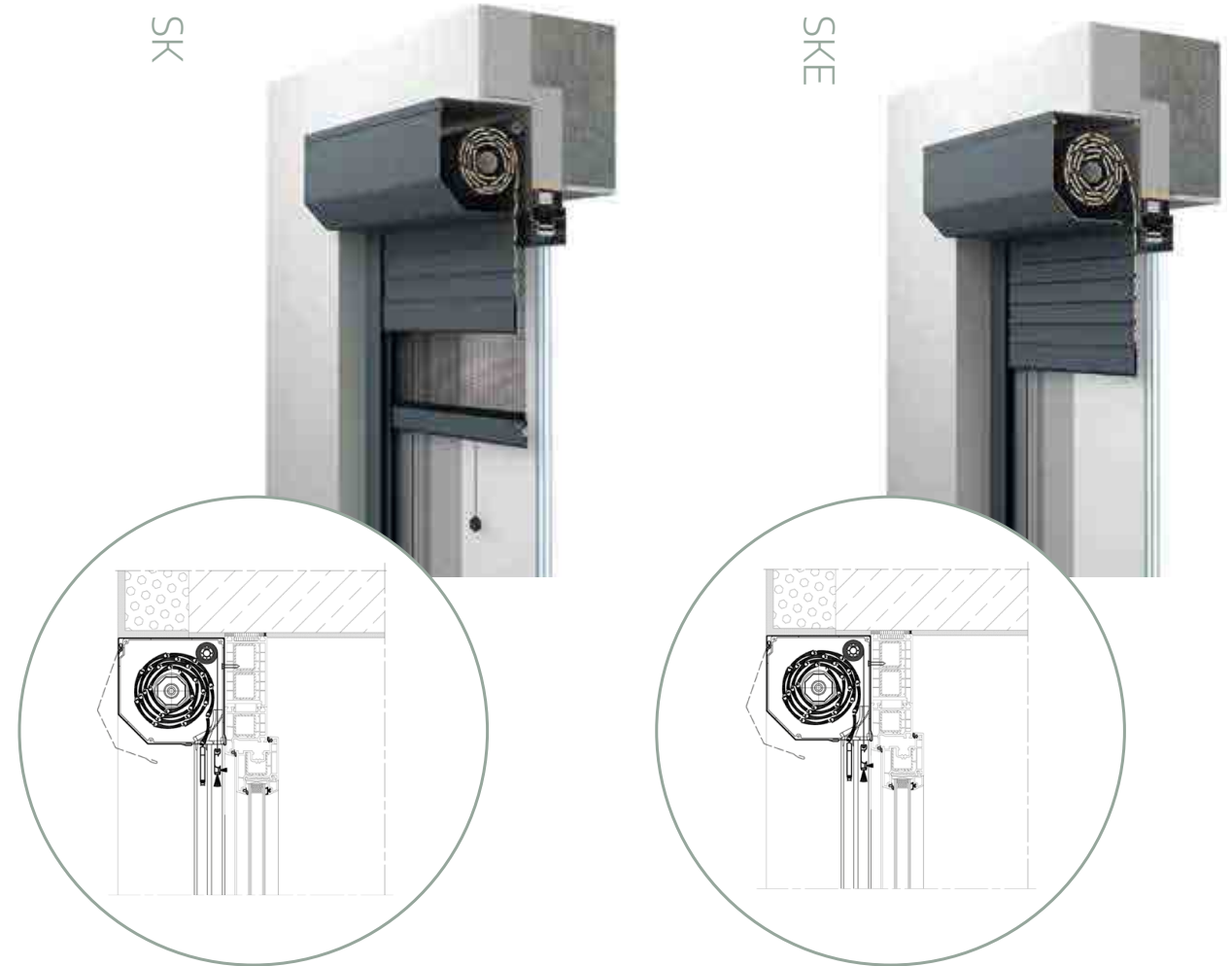
**SAFETY** AND **STYLE** IN ONE. BY ORDERING GARAGE GATES FROM THE MONOLIT'S OFFER, YOU CHOOSE NOT ONLY VEHICLE PROTECTION BUT ALSO A MODERN DESIGN THAT EMPHASISES THE CHARACTER OF YOUR HOME.



# external roller shutters



## 1. ADAPTIVE SYSTEMS



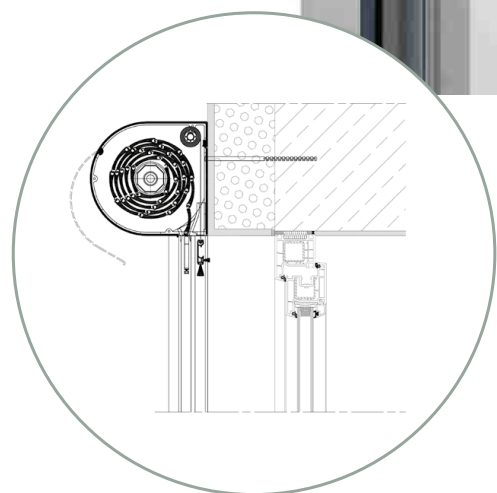
## SK / SKE

### FUNCTIONALITY AND AESTHETICS

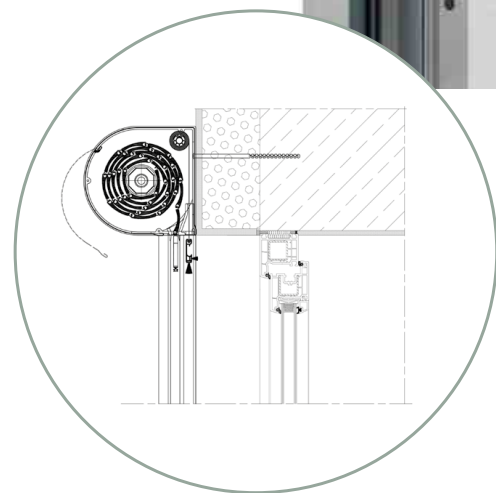
Roller shutters in the adaptive SK and SKE systems are primarily intended for use in existing buildings. The advantage of these products is undoubtedly the lack of interference with the current state of the building, as they do not require special preparations for installation and are not integrated with the window. This allows the decision to install the shutters in the adaptive system to be made at any time. They can be mounted to the window frame (recessed) or directly on the wall.

The roller shutter curtain is usually made of profiles of high-quality aluminium sheet filled with polyurethane foam, featuring special multi-layered paint coatings in a PU/PA system. This gives them increased resistance to abrasion and the effects of weather conditions.

SKO

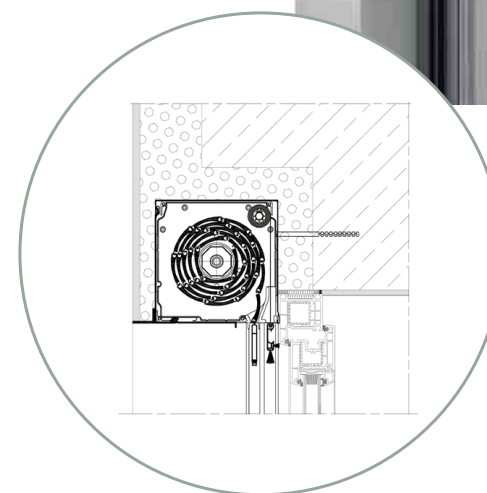


SKO-P

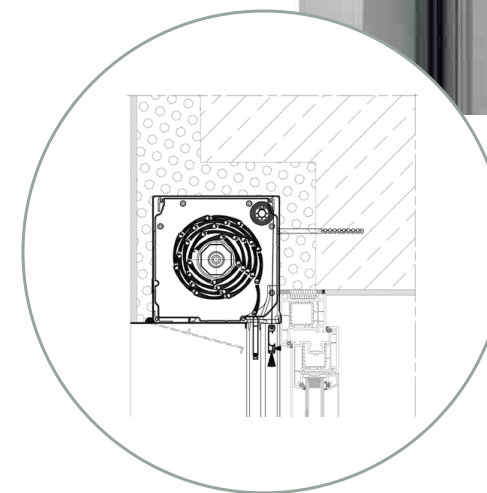


## 2. RECESSED SYSTEMS

SP



SP-E



# SKO / SKO-P

### MODERN DESIGN

SKO and SKO-P systems are solutions belonging to the adaptive shutter family, mainly intended for existing buildings. Due to the fact that these products are not an integral part of the window and do not require special preparation for installation, they can be installed at any time. The system box is made from high-quality aluminium sheet coated with a special PU/PA technology, ensuring its durability and resistance to abrasion and

weather conditions. Meanwhile, the SKO system box is made from extruded aluminium, which guarantees greater rigidity and stability. The thoughtful design of these solutions and their oval shape make them frequently chosen for wall-mounted installation, while also serving as an excellent decorative element of the façade. Similarly to the SK and SKP systems, the roller shutter curtain can consist of profiles

filled with foam, plastics, or extruded material. The advantage of these products is the possibility of using a Mosquito system that operates independently of the shutter, providing additional protection for the building interior against insects while maintaining access to light and air.

# SP / SP-E

### WARMEST TOP-MOUNT BOX

SP and SP-E recessed systems are intended primarily for use in newly constructed buildings, but also in existing buildings after making the necessary modifications within the lintel. A key issue is planning the use of this type of solution and the method of its installation already at the building design stage, which allows for more effective use of their functional benefits. They provide excellent thermal insulation, as they do not interfere with the construction of the window, door, or lintel, thus not affecting the energy balance.

Moreover, these products fit perfectly into the building façade, forming an integral part of it. The front of the roller shutter box also serves as a base for any finishing material (e.g., plaster), making the box an unnoticeable element of the building façade.



# SKB STYROTERM

## MODERN DESIGN

KB STYROTERM is a highly advanced technical top-mounted shutter solution, designed primarily to improve the energy balance of the building. The main element of this system is the box, made from high-quality material with very good thermal properties, available in two sizes. Tests conducted at a renowned research institute have shown that the proposed solution features an exceptionally low thermal transmittance coefficient, placing this system at the top among other products of this type. The STYROTERM system belongs to

the family of top-mounted shutters, whose installation involves direct mounting of the box on the window frame using a suitably selected adaptive profile. These profiles work with most window or door profiles of timber, aluminium, and PVC joinery. Using this type of construction allows the solution to be applied both in newly constructed buildings and in existing buildings during window replacement. An additional advantage of this solution is the possibility of choosing the method of inspection from either

the interior or the exterior of the room. Furthermore, the system is also available in a version adapted for use with façade louvre constructions. Roller shutters in this system can be equipped with a mosquito net built into the box. Its installation is very quick and easy thanks to click technology.







**add-ons /  
accessories**

# VENTS

NAME OF ADD-ON

Aereco EMM 707 humidity-controlled ventilator

AMD ventilator in various colour variants

AIRA HY automatic humidity-controlled ventilator with CE2A air inlet

VENTAIR II TRDn pressure-controlled ventilator with manual operation

VENT F2500 pressure-controlled ventilator with mechanical regulation with air inlet

Groove preparation

# HANDLES

PVC



White

Bronze

METAL



White

Bronze

Silver

Anthracite

Old gold

Black

HOPPE SECUSTIK



White

Bronze

F1 Silver

F4 Old gold

F9 Titanium

ROTO NX HINGE CAPS (set for one sash)



Silver R01.1

New silver R01.2

Matt titanium R01.3

Anthracite R02.2

Brass matt R03.1

Gloss gold R03.2

Brown R04.1

Olive-brown R04.3

Old gold R05.3

Brown R05.5

Black R06.2

White R07.2

Cream R07.3

WITH PUSH-BUTTON



White

Bronze

Silver

Anthracite

Old gold

WITH KEY



White

Bronze

Silver

Anthracite

Old gold

LINEA DESIGN HANDLES WITH REHAU LOGO	
	White
	Bronze
	Silver
	Anthracite
	Old gold
	Brushed steel
	Black matt
HOPPE SECU FORTE HANDLES	
	F9016 White
	F1 Silver
	F9 Steel
	F4 Old gold
	Bronze
	Black matt
DUBLIN HANDLES	
	White
	Bronze
	Silver
	Anthracite
	Old gold (sandblasted)
	Black
GREENTEQ	
<p>*for ID8000 and REHAU systems for other systems on customer request</p> 	F1 Silver
	F4 Old Gold
	F9 Stainless Steel
	RAL9016 White
	RAL8019 Bronze
	RAL9005 Matte Black

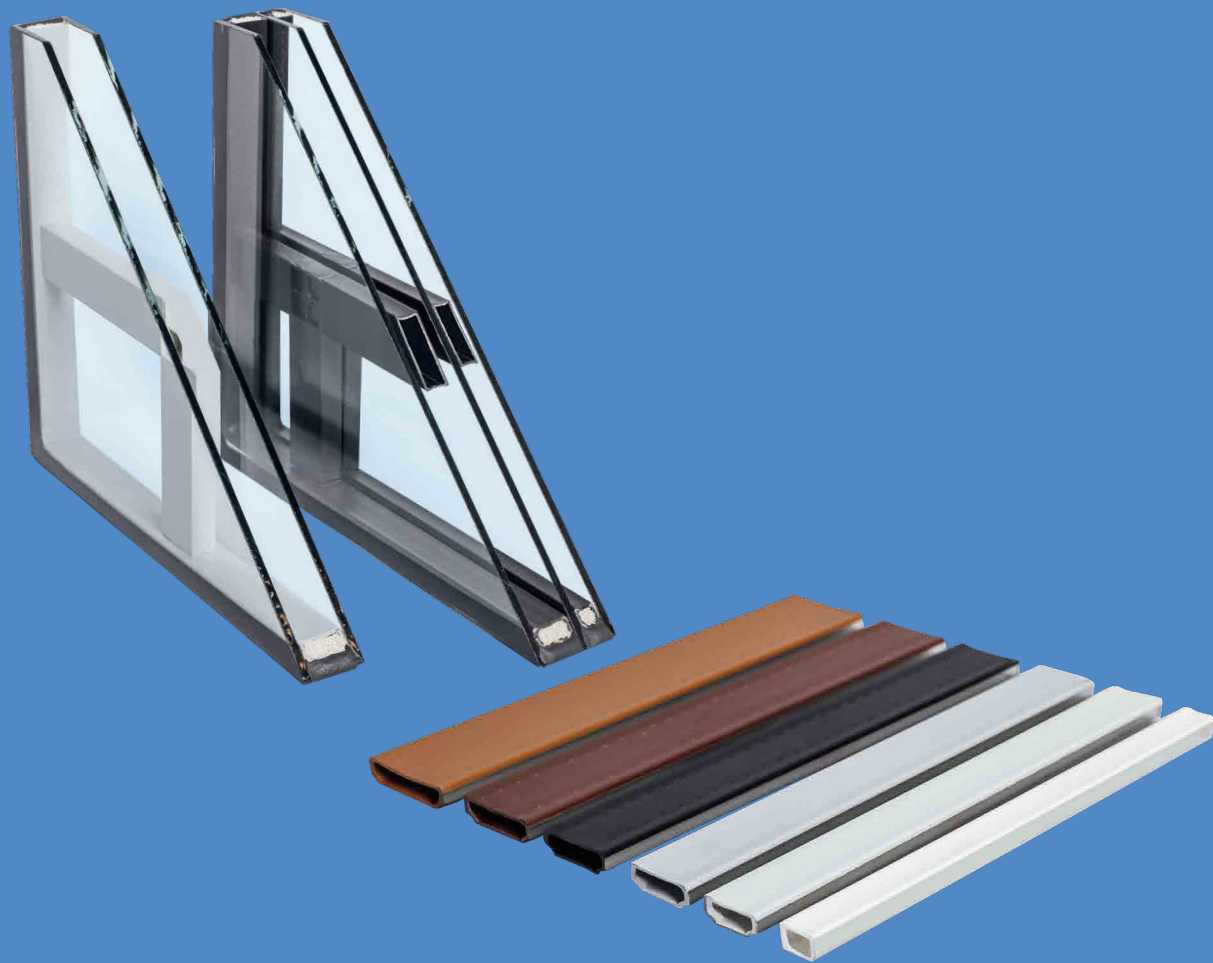
HOPPE SECUFORTE		
HAMBURG		white
F-1 silver		
F-9 titanium		
F7016 anthracite		
F9714M matte black		
F-4 old gold		
bronze		
TOULON		white
F-1 silver		
F-9 titanium		
F7016 anthracite		
F9714M matte black		
F-4 old gold		
bronze		

# HANDLE HEIGHTS

SASH HEIGHT IN MM IN THE FFH REBATE	HANDLE POSITION HEIGHT IN MM IN THE HARDWARE REBATE	HANDLE POSITION HEIGHT IN MM FROM THE BOTTOM OF THE SASH
280 - 370	120	140
371 - 510	120	140
511 - 600	170	190
601 - 800	263	283
801 - 1000	413	433
1001 - 1200	513	533
1201 - 1400	563	583
1401 - 1600	563	583
1601 - 1800	563	583
1601 - 1800	1000	1020
1801 - 2000	1000	1020
2001 - 2200	1000	1020
2201 - 2400	1000	1020



# INTER-PANE SPACER BAR AND GLAZING BARS



## LIMITATIONS

NAME OF ADD-ON	WINDOW DIMENSIONS
Minimum RU window dimensions	W 545mm * H 415mm
	W 435mm*H 505mm
Minimum Fix window dimensions	W 210mm*H 400mm
Minimum U or R window dimensions	W 400mm * H 400mm
Minimum U or R window dimensions	from width 1200mm
Additional tilt scissors	from width 1500mm

instructions / warranties

## CLEANING, OPERATION AND MAINTENANCE

### CLEANING OF WINDOW FRAMES

Light soiling on the surface of the frames should be removed with water and mild cleaning or washing agents. In the case of heavy soiling, the use of mild abrasive and polishing agents is permitted. Under no circumstances may cleaning agents causing scratches, scouring powders, wire brushes, or chemical cleaners with aggressive effects on window-frame surfaces be used.

### MAINTENANCE OF WINDOW FRAMES

The surface of the window frames does not require maintenance. The windows must not be painted with any type of paints or varnishes, nor should any additional protective layers (coatings) be applied. Avoid contact between the window-frame surfaces and hot objects (e.g. iron, heater, stove, etc.) as well as sharp objects such as screwdrivers, scrapers, etc., which may cause damage (scratching).

### SEAL MAINTENANCE

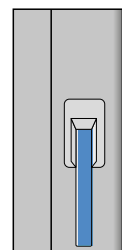
The flexible rebate and glazing seals used in windows and balcony doors are made of EPDM – a material resistant to ageing and weather conditions, and therefore do not require maintenance. In the event of damage, they can be replaced easily.

### CLEANING OF INSULATING GLASS UNITS

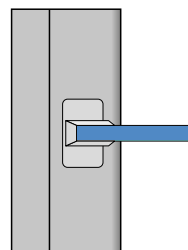
The windows are fitted with insulating glass units in the form of hermetically sealed single- or double-chamber glazing packages. Cleaning of the panes is limited to washing the two outer surfaces of the glazing packages. Commonly available glass-cleaning agents may be used for cleaning insulating glass. Do not use pastes or corrosive chemical agents. Do not scrape off dirt with sharp tools. Heavily soiled panes should first be moistened with water containing a cleaning agent, and then wiped with a clean, soft cloth.

### OPERATION AND USE OF PERIMETER HARDWARE

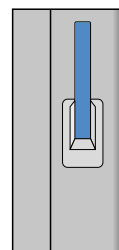
PVC windows and balcony doors are equipped with high-quality MACO perimeter hardware. This hardware is characterised by ease and comfort of operation, reliable performance, and resistance to wear. The hardware mechanism is activated by operating the handle, and the sash is locked at several points arranged around its perimeter simultaneously. In the closed position, the handle is pointing downwards. The method of operating the handle during use of the tilt-and-turn hardware, with positioning shown, is illustrated in the drawing below:



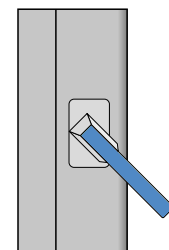
position "down"  
CLOSED



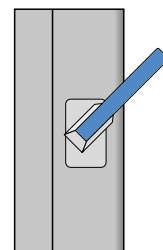
position "90°"  
OPEN



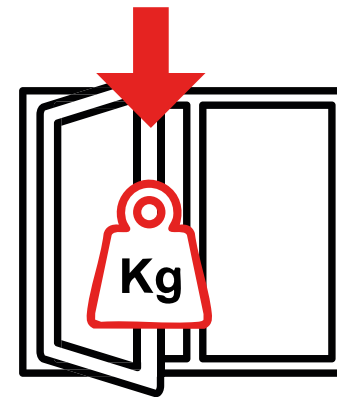
position "up"  
TILTED



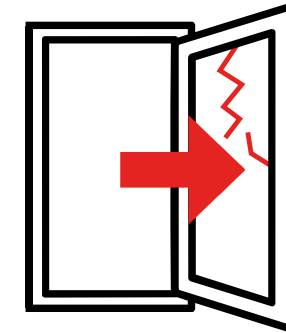
position "45°"  
MICRO-VENTILATION



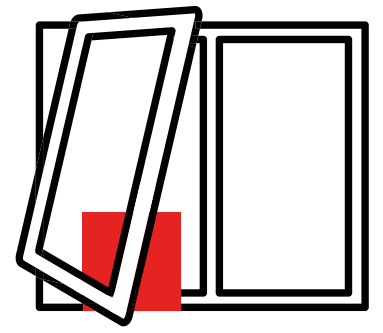
The highest-quality materials and precision manufacturing ensure long-lasting, reliable operation and consistent user comfort. The basic principles of window operation, adherence to which determines the preservation of performance and reliability during long-term use and full safety of operation, are shown in the drawings below:



1. Do not apply any additional load to the window!



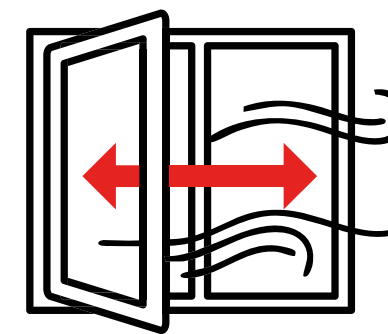
2. Do not press the sash against the frame!



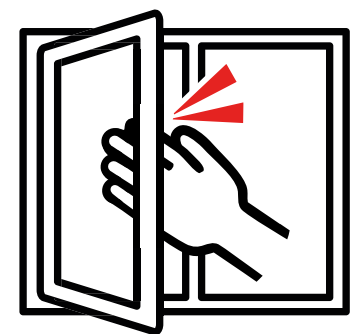
3. Do not insert any objects between the sash and the frame!



4. In the case of access to the window by children or persons with mental impairments, install components limiting unwanted opening (e.g. a window lock or a handle with a key).



5. Do not leave the sash in the fully open position during strong wind!



6. When closing the window, do not place your hand between the sash and the frame!

The condition for efficiency and correct operation of the hardware mechanism is compliance with the guidelines for their installation and adjustment, as well as cleaning and maintenance. Maintenance consists of periodic inspection of the hardware components and lubrication (once a year) of the moving parts of the hardware. The hardware components should be regularly checked for secure fixing and degree of wear. If necessary, tighten the fixing screws, and in the case of damaged hardware, replace the faulty component. Annual lubrication of the main hardware components on the sash and the frame (in particular the moving parts and the cooperating elements) will ensure smooth operation of the hardware and prevent premature wear.

#### ATTENTION!

For lubrication, use grease or machine oil free of resins and acids, e.g. WD-40. Maintenance and repair work, such as replacement of worn or damaged hardware components, adjustments, etc., should be entrusted to a professional, as incorrect or improper adjustment of the hardware may lead to faulty operation of the joinery.

GENERAL CONDITIONS FOR TRANSPORT AND STORAGE OF PRODUCTS

Windows and balcony doors made of PVC must be transported and stored in accordance with general principles. Products intended for transport (storage) should be placed vertically, in the installation position, individually (on special racks) or in layers (on post pallets). Storage areas should be dry and protect the products against precipitation. The loading spaces of transport vehicles should be clean, and the surfaces of the walls and floors must not contain protruding sharp elements that could damage the products. Products on transport vehicles should be arranged so that the surfaces of the sashes are parallel to the longitudinal axis of the vehicle. The arranged products must be secured to the transport vehicle (e.g. with securing straps) to ensure their stability and protect them against movement and damage during transport.

CONDITIONS AND PRINCIPLES OF INSTALLING (MOUNTING) PRODUCTS

Correct installation (mounting) of PVC windows and balcony doors in the window opening is an essential condition for their proper functioning, and it also determines compliance with all requirements relating to thermal insulation, acoustic insulation, and resistance to penetration of rainwater. Therefore, if we do not have appropriate experience and technical knowledge, it is better to entrust the following work to a specialised installation team. Below are the basic principles, compliance with which determines efficient and correct execution of installation works:

- 1. Installation works should be carried out at temperatures above -5°C.
- 2. Before starting installation, it is necessary to:
  - Check the dimensions of the window openings and, if necessary, correct them so that the space between the wall and the window (installation clearance) is 10-25 mm, according to the table below;

Window/installation dimension (width or height)	up to 1.5 m	up to 2.5 m	up to 3.5 m	up to 4.5 m
Joint width on each side	10 mm	12 mm	15 mm	20 mm

ATTENTION!!!

For coloured joinery, the joint width must be increased by a minimum of 5 mm.

- Remove the sashes (protect them against damage), which significantly facilitates accurate positioning of the frame in the window opening.
- 3. To set and stabilise the position of the frame in the window opening, use support blocks and installation wedges. Check the positioning of the frame in the opening: vertically, horizontally, measure the diagonals and the depth of the frame's position from the internal and external face of the wall, whereby:
  - The maximum deviation from vertical (horizontal) of a frame positioned in the window opening must not exceed 1 mm/1 m
  - The difference in diagonal lengths must not exceed 3 mm.
- 4. Windows should be fixed in the opening in such a way that the fixings transfer to the building structure all foreseeable forces acting on the window, taking into account movements occurring at the connection points. Therefore, it is necessary to:
  - Position the window in the opening, ensuring the required installation clearance mentioned above
  - Stabilise the correct position of the frame in the opening using support blocks and installation wedges
  - Select the appropriate type and dimensions of fixing elements (e.g. anchors, expansion plugs, metal expansion sleeves – “dow-els”, in the case of hollow brick use special screws, e.g. Spax, etc.), bearing in mind that the anchoring depth of fixing elements in the reveal (plugs, screws, dowels) must not be less than 60 mm; the installation anchor must be attached to the window through a specially prepared hole and screwed in
    - Determine the number and location of fixing points depending on the type and magnitude of loads acting on the window. The spacing of installation anchors must not exceed 700 mm, while the distance from the edges of the window and from the mullion axes should be 150-200 mm for white windows. For coloured window joinery, the spacing of fixing elements should not exceed 300 mm at equal intervals on each side of the frame (when using installation anchors, these should be applied alternately – on the inside and outside of the room), while the distance from the edges and mullions is identical to that of white windows.
  - Special constructions such as arches, angles and sliding units should be installed using installation dowels, including the curved element.
    - Installation anchors must be screwed to the profile to install the window at intervals not exceeding 300 mm for coloured profiles and 600 mm for white profiles.
- 5. Fixing the window must be carried out mechanically – the use of foam or adhesives for this purpose is not permitted, and the fixing elements (anchors, dowels) must be corrosion-protected.
- 6. After fixing the frame in the window opening, check whether any deformation (warping) occurred during anchoring; eliminate any irregularities by adjusting with installation wedges.
- 7. Install the sashes in the frame, simultaneously checking their correct operation, and adjust the fittings if necessary.
- 8. Before proceeding with the insulation and sealing of the joint between the window and the wall, protect the fittings and the external surfaces of the window with tape or foil against contamination with sealing materials, mortars or paints.
- 9. Fill the space between the wall and the window frame with low-expansion polyurethane foam, remembering to:
  - Moisten the wall and frame beforehand to improve adhesion of the polyurethane foam
  - Allow excess foam to escape freely to prevent deformation of the frame.
- 10. After the foam has hardened, remove the distance packers and installation wedges, then repair (fill) the resulting gaps with installation foam.
- 11. During plastering works, installed windows and balcony doors must be protected with foil and tape against contamination, scratching or other damage to their surfaces.
- 12. After completing all installation and finishing works related to the fitting of windows, clean all window components using appropriate agents and remove the protective foil tape from the window frame profiles without delay.
- 13. Sliding windows must be installed on a stable base across the full width of the window and dowelled.
- 14. Anchors must be screwed to the profile (mandatory).

PVC WARRANTY CARD

MONOLIT Michał Godlewski

ul. Strzelnicza 12  
18-300 Zambrów  
NIP (TAX NUMBER) 723-154-22-65

invoice no. ....

WARRANTY CARD

“MONOLIT Michał Godlewski”, with its registered office in Zambrów, grants a warranty for the products it manufactures under the following terms and conditions:

- 1. The Manufacturer shall ensure the high quality of the products it manufactures, provided they are correctly installed and used and maintained in accordance with the “operating rules”. In the event of physical defects in the Manufacturer’s products, the Buyer is entitled to the appropriate warranty service.
- 2. The warranty period is calculated from the moment the Buyer takes possession of the goods from the Manufacturer. After the warranty peri-od expires, the guarantor provides chargeable service work.
- 3. The Manufacturer grants the Buyer a warranty for its products, calculated from the date of documented purchase, for a period of 5 years for colour durability of profiles, sashes and frames, tightness of rectangular insulating glass units (2-year warranty for non-rectangular insulating glass units), as well as a 2-year warranty period for gaskets and window fittings, and a 1-year warranty for door fittings. This applies only if installation is carried out by the Manufacturer or an Authorised Representative. In the case of installation by the purchaser, the warranty period is 1 year. The Guarantor is liable under this warranty up to the value of the purchased joinery.
- 4. The Manufacturer may extend the warranty to 10 years, provided that a chargeable maintenance service is carried out annually after a period of two years from the date of purchase of the PVC joinery. Maintenance must be performed by the Manufacturer, and the service fee for the maintenance works must be determined individually each time. Repair actions will be undertaken in the event of: mechanical damage responsible for the transfer of rotary movement to the door lock or perimeter window hardware. The warranty does not cover reimbursement of any other costs.
- 5. A condition for considering a complaint is full settlement of the payment for the delivered joinery.
- 6. In the event of an unjustified service request, the Buyer will be charged the cost of the service technician's travel.
- 7. A complaint does not constitute grounds for withholding payment for the window joinery.
- 8. The Buyer is obliged to carry out a qualitative and quantitative inspection of the products with respect to visible defects, confirmed by an acceptance protocol or confirmation on the stock issue confirmation form (WZ). Such defects include non-conformities in: dimensions, divisions, colours, any mechanical damage, etc. If a product with visible defects is installed, it is excluded from warranty conditions.
- 9. The authorised dealer undertakes to remove, independently, defects such as: replacement of glazing packets, sashes, gaskets, and other minor defects.
- 10. The warranty does not cover:
  - a. use of the product contrary to its intended purpose,
  - b. improper or lack of maintenance,
  - c. incorrect operation or adjustment,
  - d. action of external factors (chemical substances, fire, etc.),
  - e. structural alterations and repairs carried out by unauthorised persons,
  - f. incorrect installation identified by a MONOLIT representative,
  - g. mechanical damage occurring after receipt of the goods,
  - h. wear and tear of components,
  - i. effects of thermodynamic phenomena (condensation on joinery inside and outside the room in which it is installed),
  - j. improper ventilation of the room,
  - k. natural disasters,
  - l. use by the Buyer of their own components without agreement with the Manufacturer.
- 11. Complaints regarding defects in windows and doors must be submitted in writing, together with photographic documentation, within 5 days from the date of their detection, at the registered office of the Guarantor or the Authorised Representative. A condition for the warranty to be considered is the presentation of proof of purchase of the joinery, a paid VAT invoice, and the warranty card. The complaint letter must include a description of the defect.
- 12. The method of defect removal is at the sole discretion of MONOLIT.
- 13. The warranty covers only damage to the subject of the contract and MONOLIT’s liability is limited to the value of the sold products. The Manufacturer is not responsible for other costs resulting from a product defect.
- 14. The Buyer is obliged to provide MONOLIT representatives with the opportunity to carry out a proper inspection of the reported product.
- 15. Warranty repair does not include periodic inspections, cleaning, adjustment of fittings, or maintenance. The Buyer is obliged to carry out these on their own and at their own expense.
- 16. Delay in handling a complaint does not occur if a MONOLIT representative arrives at the Buyer’s premises at the agreed time to carry out the warranty repair and is unable to perform the work for reasons attributable to the Buyer. In such a case, the complaint handling period is extended by the duration of the resulting delay. If the Buyer prevents the repair from being carried out twice, it is assumed that they have waived warranty claims.
- 17. MONOLIT’s liability under this warranty applies only to products delivered and used within the territory of Poland.

seller (date and signature)

buyer (date and signature)



MONOLIT Michał Godlewski  
ul. Strzelnicza 12  
18-300 Zambrów  
NIP (TAX NUMBER) 723-154-22-65

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2. The warranty period is calculated from the moment the Buyer takes possession of the goods from the Manufacturer. After the warranty period expires, the guarantor provides chargeable service work.
3. The Manufacturer warrants its products to the Buyer from the date of documented purchase for a period of 2 years. This applies only if the installation is carried out by the Manufacturer or an Authorised Representative. In the case of installation of products by the buyer for a period of 1 year. The warrantor is liable under the warranty up to the value of the purchased joinery.
4. The manufacturer can extend the warranty to 5 years on condition that a paid maintenance service is performed every year after two years from the moment of purchasing the ALUMINIUM joinery. Maintenance must be performed by the Manufacturer, and the service fee for the maintenance works must be determined individually each time. Repair actions will be undertaken in the event of: mechanical damage responsible for the transfer of rotary movement to the door lock or perimeter window hardware. The warranty does not cover reimbursement of any other costs.
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.....  
seller (date and signature)

.....  
buyer (date and signature)

COMPLAINT REPORT

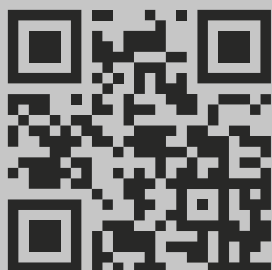
DETAILS OF THE APPLICANT (COMPANY NAME, ADDRESS, TELEPHONE)	DATE OF COMPLAINT SUBMISSION
	ORDER NUMBER
JOINERY INSTALLATION ADDRESS	WAS THE COMPLAINT NOTED ON STOCK ISSUE CONFIRMATION FORM (WZ)? <div>YES <input type="checkbox"/> NO <input type="checkbox"/></div>
CUSTOMER TELEPHONE NUMBER	PRODUCT NAME / ITEM / DIMENSIONS
DESCRIPTION OF DEFECT	

If the complaint form is completed ILLEGIBLY, INCORRECTLY, or WITHOUT PROVIDING ALL REQUIRED INFORMATION, etc. the complaint WILL NOT BE PROCESSED.

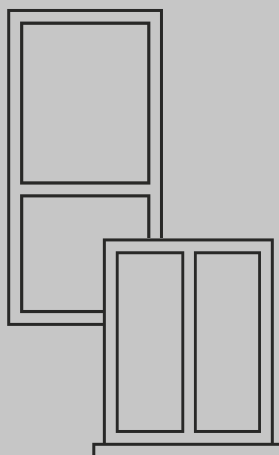
In the case of an unjustified complaint, the CUSTOMER WILL BE CHARGED FOR THE SERVICE TRIP.

.....  
Date and signature of the person submitting the complaint

complaint outcome:    APPROVED    /    REJECTED



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[www.monolit-okna.pl](http://www.monolit-okna.pl)

