

PRODUCT CATALOGUE



The base is separated into the following production workshops:

- **PVC WINDOWS AND DOORS**
- **WOODEN WINDOWS AND DOORS**
- **ALUMINIUM WINDOWS AND DOORS**
- **EXTERIOR SHUTTERS AND GARAGE DOORS**
- **INTERIOR BLINDS AND INSECT SCREENS**
- **INSULATED GLASS UNITS (IGUs), GLASS PROCESSING AND TEMPERING**
- **WOODEN INTERIOR DOORS**

## ABOUT US

Rollplast was created in 2000 as a company for the production and sale of interior and exterior blinds. In 18 years, Rollplast has managed to become one of the leading manufacturers of doors, windows and blinds in Europe. The company has a production base with a total area of 32,000 sq.m. Construction began in 2008, and Rollplast received an Investor Class A certificate for the planned investment of BGN 72 million, as well as an award for Investor of the Year in the field of manufacturing for 2009.

## THE ROLLPLAST TEAM

is aimed mainly at manufacturing a wide range of products to meet the requirements of each customer. Rollplast uses the 20 Keys program – a Lean Manufacturing system of continuous improvement and increase in the efficiency at all stages of production, delivery and assembly. Rollplast is audited and certified in accordance with the international quality management system ISO 9001:2008 and the information security management system ISO 27001:2005.

# CONTENTS

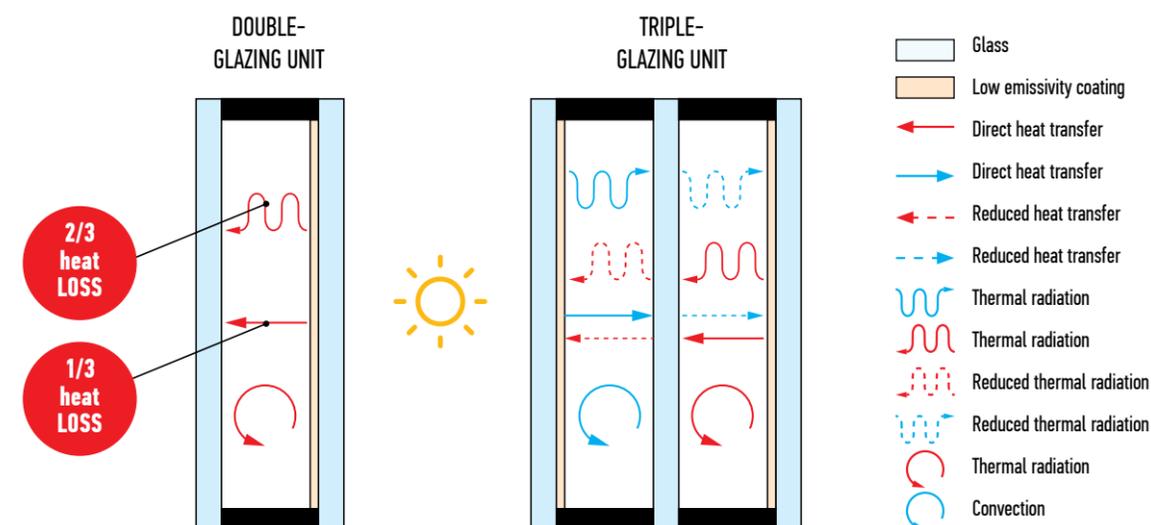
<b>WINDOWS</b>	<b>8</b>	<b>EXTERNAL ROLLER SHUTTERS AND VENETIAN BLINDS. SHUTTERS</b>	<b>88</b>
CHARACTERISTICS	10	EXTERNAL ROLLER SHUTTERS AND VENETIAN BLINDS. FRONT MOUNTING MODELS	90
SYSTEMS	12	BUILT-IN MODELS	91
WOOD SYSTEMS	16	EXTERNAL VENETIAN BLINDS	92
SYSTEMS	20	PVC SHUTTERS	94
COMPARISON TABLE	22	WOODEN SHUTTERS	95
PVC, WOODEN AND ALUMINIUM SILLS	25		
DECORATION	26		
HARDWARE	27		
<b>SLIDING WINDOW SYSTEMS</b>	<b>32</b>	<b>INTERIOR BLINDS</b>	<b>96</b>
SYSTEMS	34	ROLL-UP BLINDS	98
<b>INSULATED GLASS UNITS</b>	<b>40</b>	SCREEN TECHNOLOGY	100
HIGH SELECTIVE SPACER	44	VERTICAL BLINDS	102
SOUND PROOFING	46	PLEATED BLINDS	103
<b>ENTRANCE DOORS</b>	<b>48</b>	ROMAN BLINDS	104
PROFILES	50	HORIZONTAL BLINDS	106
THERMOPANELS	52	WOODEN HORIZONTAL BLINDS	107
HARDWARE AND HANDLES	62	<b>INSECT SCREENS</b>	<b>108</b>
<b>GLASS SYSTEMS</b>	<b>66</b>	<b>GARAGE DOORS</b>	<b>112</b>
BALCONY GLAZING	68	SECTIONAL GARAGE DOORS	114
PARTITIONS	69	ROLLER TYPE GARAGE DOORS	115
SHOWER BOOTH	70	AUTOMATION FOR SECTIONAL DOORS	116
<b>INTERIOR DOORS</b>	<b>72</b>	AUTOMATION FOR ROLLER GARAGE DOORS AND SHUTTERS	117
WOODEN INTERIOR DOORS	75	<b>RAILINGS AND GLASS OVERHANGS</b>	<b>118</b>
CHARACTERISTICS	78	<b>THERMAL AD HYDRO INSULATION INSTALLATION (RAL INSTALLATION)</b>	<b>122</b>
SOLID WOOD INTERIOR DOORS	80		
ALUMINIUM ALUMINIUM WITH GLASS WOOD WITH GLASS PVC	82		
TEXTURED GLASS	84		
HARDWARE AND HANDLES	86		

# WHY DO WE CHANGE WINDOWS?

## 1. FOR BETTER THERMAL INSULATION



In matters related to the energy efficiency and thermal insulation of buildings, particular attention is paid to the windows, as they account for up to 40% of heat loss



\* Due to the two separate hermetically sealed chambers and low emissivity coatings, losses from heat transfer are curbed with the triple-glazed unit.

### What does improved thermal insulation mean?

It is a combination of:

- The choice of profile
- IGU selection
- The choice of a warm edge spacer/High selective spacer

\*\*\* The wider the profile, the better thermal insulation is achieved, especially in combination with a triple-glazing unit with 2 coated panes and argon gas. By choosing a unit created with a high selective spacer, you will achieve a 10% improvement in thermal insulation and prevent the possibility of condensation.

For more information – Page 46

## 2. FOR BETTER SOUND PROOFING



The dynamic daily life and car traffic in the big city, combined with the constant construction and repair works make us pay more and more attention to one serious factor – noise, on which our daily comfort and health depend on.

The following elements are also crucial for increasing sound proofing:

- Choosing the right profile
- Triple rubber sealing of the frame
- A thick reinforcing profile
- Choosing the right combination of glass panes
- Good sealing with mounting foam and subsequent finishing works

\*\*\* The most crucial element is the combination of panes in the unit

For more information – Page 48

## 3. FOR BETTER SOLAR PROTECTION



Solar protection of a room can be achieved using several different products – exterior blinds, exterior shutters, interior blinds and units with high energy coating.

EXTERIOR ROLLER BLINDS – an effective solution for the sun ray problem.

\*In recent years, it was found that cooling causes more expenses than heating. Rollplast provides you with energy saving solutions also linked to preserving the environment.

For more information – Page 96

SHUTTERS – they protect windows from atmospheric influences, while also giving the façade an individual style.

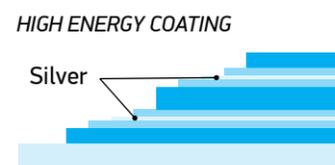
For more information – Page 98

INTERIOR BLINDS – interior blinds are a good solution for solar protection which can respectively be combined with the contemporary design and vision of your home.

For more information – Page 102

INSULATED GLASS UNITS – a unit combined with high energy glass has the best indicators for solar protection and it is suitable for both south and western exposures.

For more information – Page 42



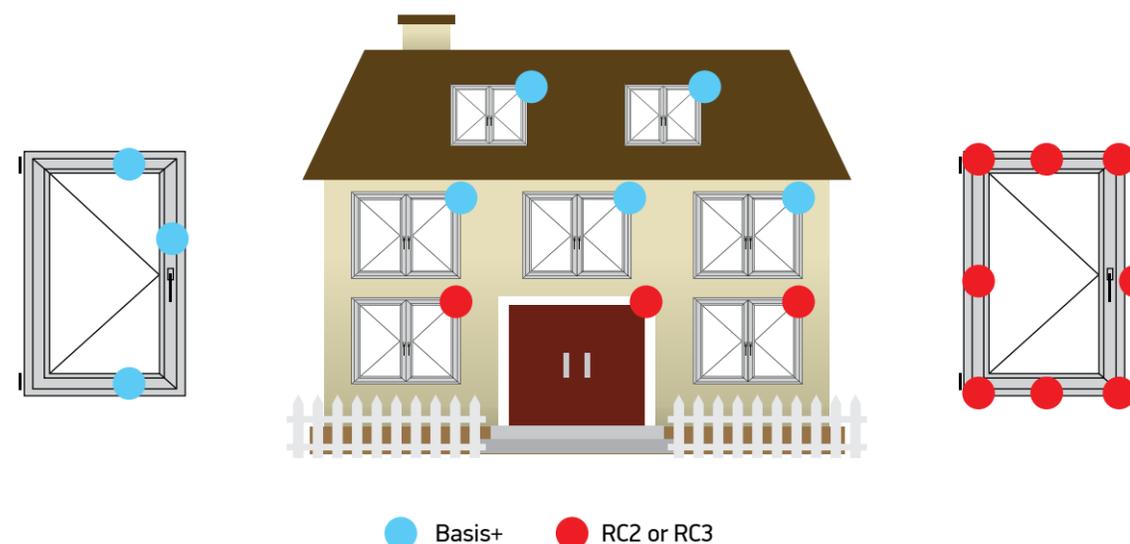
## 4. FOR BETTER SECURITY



Statistics show that the most frequent break-in attempts are done through windows. Rollplast offers products with a basic security Basis+, with a minimum of 2 security points of locking and a **Hoppe Secustik** handle.

For a higher level of security, we recommend a security hardware with a security level RC2 or RC3 with 7-point locking, a **Hoppe Secustik** handle, with a key and burglary-resistant laminated glass 4.4.2. in at least one of the panes in the IGU. Some additional elements for increasing the security levels are exterior blinds and shutters.

For more information – Page 27



## 5. INTERIOR AND EXTERIOR SOLUTIONS



Last but not least, many people replace their windows for reasons entirely related to architecture and design. They have specific requirements for the form, palette, decorations, ext. We can meet these requirements with a wide range of products.

\*\*\* If you want the first piece of furniture in your home to be the window, then you should definitely choose wooden profiles for the windows and doors.  
For more information – Page 16

# WINDOWS

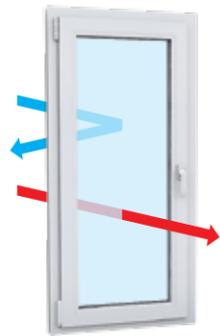
PVC

WOOD

ALUMINIUM

Windows shape the façade of a home like no other construction element. It is the windows that shape the style of a home. Some of the most significant elements are the size, proportions, form and colours. Apart from the standard rectangular shapes, windows can be created in a multitude of diverse shapes.



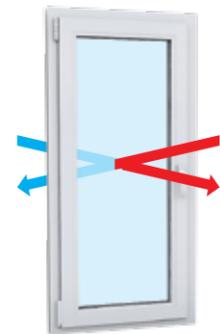


**ROLLPLAST ENERGY SAVE**  
**ROLLPLAST ENERGY SAVE PLUS\***



This window offers incredibly good thermal insulation characteristics. It is recommended for northern and eastern exposures due to the specifics of the unit used for its construction. It is not suitable for southern or western exposures unless additional solar protection is provided, as the sun rays penetrate the glass during the hot summer days and they can heat the living space significantly.

THERMAL INSULATION	Uw – from 0.9 to 1.6 W/M2k
SOUND PROOFING	from 31 to 41 dB
HARDWARE	Three-way adjustable hardware with a basic security level. Hidden hardware optional.
PROFILES	A wooden profile, PVC profiles reinforced with steel inserts for additional durability, AL profiles
COLOUR DIVERSITY	Choice of palette by catalogue and an option for an aluminium cap painted in RAL colours
SOLAR GAIN	49% and 63%
LIGHT TRANSMITTANCE	70% – 80%
SECURITY HANDLES	Hoppe Secustik
ARGON GAS	serial



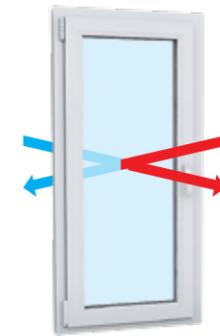
**ROLLPLAST THERMO REFLECT**  
**ROLLPLAST THERMO REFLECT PLUS\***  
**ROLLPLAST THERMO REFLECT LIGHT**



This product features the advantages of the Energy Save window, however, the additional coverage of the external glass reduces the penetration of solar heat in the living space. This contributes to a pleasant interior environment, as well as to a reduction in air conditioning related expenses during the summer days. This window is suitable for southern and western exposures, where there is strong sunshine, and it prevents the building from heating up. Rollplast offers five types of high energy glass panes – neutral, green, blue, grey and bronze. The colourful high energy glass panes change the appearance of the residence façade, and the colour background inside the room remains neutral.

THERMAL INSULATION	Uw – from 0.9 to 1.6 W/M2k
SOUND PROOFING	from 31 to 41 dB
HARDWARE	Three-way adjustable hardware with a basic security level. Hidden hardware optional.
PROFILES	A wooden profile, PVC profiles reinforced with steel inserts for additional durability, AL profiles
COLOUR DIVERSITY	Choice of palette by catalogue and an option for an aluminium cap painted in RAL colours
SOLAR FACTOR	42%, 38% and 35%
LIGHT TRANSMITTANCE	60% – 70%
SECURITY HANDLES	Hoppe Secustik
ARGON GAS	serial

Legend: \*an IGU consisting of three panes, the first and third of which featuring a coating

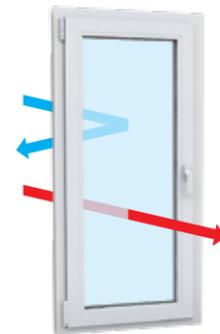


**ROLLPLAST SOUND COMFORT**



The unique characteristics of this window make it suitable for residential buildings, schools and hospitals in the vicinity of busy streets and crossroads and practically mandatory for buildings located close to motorways, airports and industrial regions.

THERMAL INSULATION	Uw – from 0.9 to 1.4 W/M2k
SOUND PROOFING	from 34 to 41 dB
HARDWARE	Three-way adjustable hardware with a Basis+ security level
PROFILES	Wooden profile
COLOUR DIVERSITY	Choice of palette by catalogue and an option for an aluminium cap painted in RAL colours
SOLAR FACTOR	36% – 57%
LIGHT TRANSMITTANCE	70% – 80%
SECURITY HANDLES	Hoppe Secustik
ARGON GAS	Serial



**ROLLPLAST GUARD**  
**ROLLPLAST GUARD PLUS\***



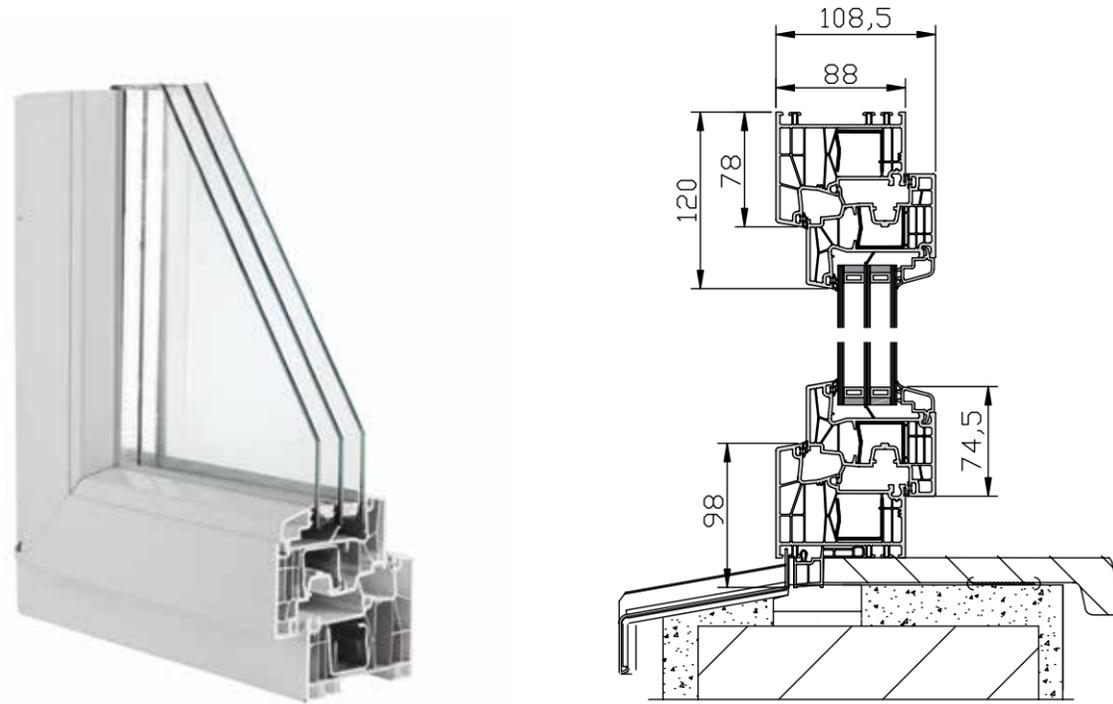
This window combines excellent thermal insulation with security against an easy break-in into the residence. It is suitable for houses and lower storeys of housing cooperatives, where the danger of a break-in through a window is significantly higher. This window is recommended by insurance and security companies.

THERMAL INSULATION	Uw – from 0.9 to 1.4 W/M2k
SOUND PROOFING	from 35 to 47 dB
HARDWARE	Three-way adjustable hardware with an improved level of security RC 2, according to DIN V EN V 1627- 1630
PROFILES	PVC profiles reinforced with steel inserts for additional durability
COLOUR DIVERSITY	Choice of palette by catalogue and an option for an aluminium cap painted in RAL colours
SOLAR FACTOR	36% – 48%
LIGHT TRANSMITTANCE	72%
SECURITY HANDLES	Hoppe Secustik with a button or key
ARGON GAS	Serial

Legend: \*an IGU consisting of three panes, the first and third of which featuring a coating

PVC

TROCAL 88



CHARACTERISTICS



**THERMAL INSULATION**  
Uw = 0.95 - 0.8 W / m2K



**SOUND PROTECTION**  
34 - 46 dB



**SECURITY**  
Basis + 1 / RC2

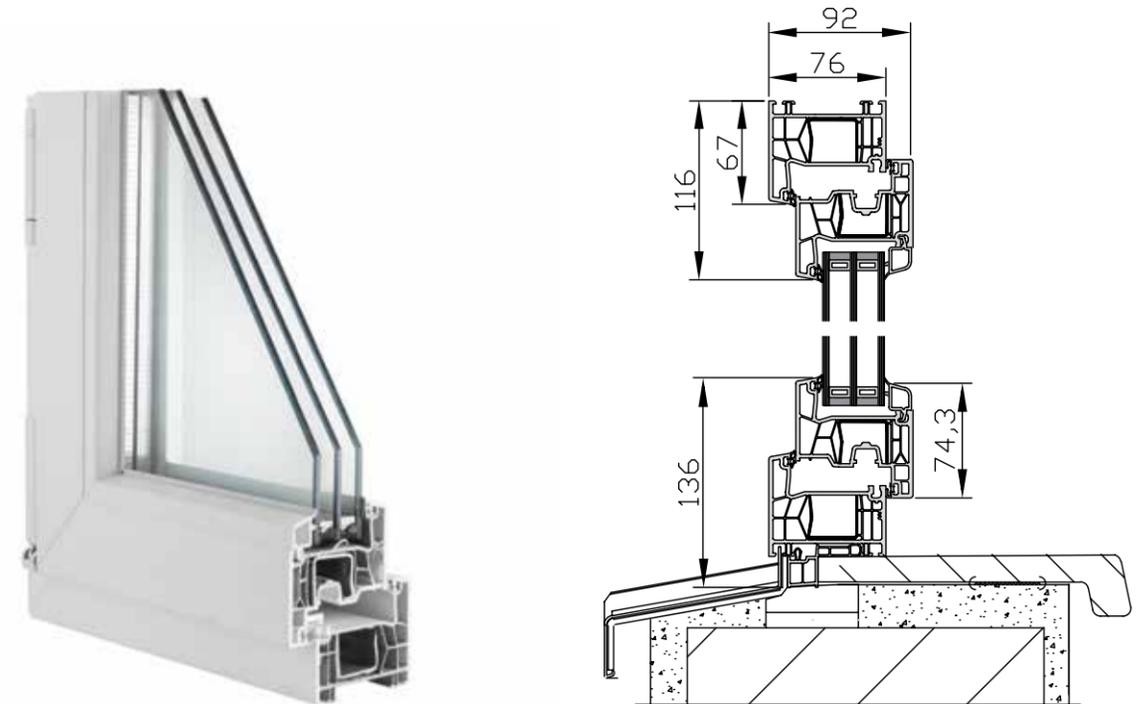
PROFILE DIMENSIONS:

FRAME - WIDTH /HEIGHT	88 mm/78 mm
FRAME + SASH	120 mm
INSULATED GLASS UNITS	52 mm
MEDIUM SEALING	of the frame and sash
COLOUR	white, golden oak, walnut, dark oak, sapele, grey and anthracite
ONE-SIDED TINTING	anthracite
SEALING COLOUR	grey/black
ALUMINIUM CAP	yes/RAL or film

**INSTALLATION WARRANTY 5 years**

PVC

TROCAL 76



CHARACTERISTICS



**THERMAL INSULATION**  
Uw = 1.2 - 0.9 W / m2K



**SOUND PROTECTION**  
34 - 44 dB



**SECURITY**  
Basis + 1 / RC2

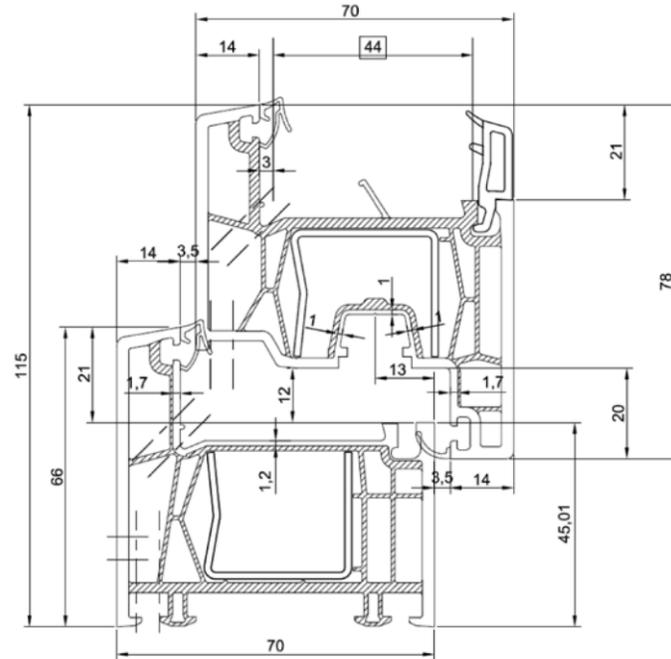
PROFILE DIMENSIONS:

FRAME - WIDTH /HEIGHT	76 mm/67 mm
FRAME + SASH	116 mm
INSULATED GLASS UNITS	30 mm and 44 mm
MEDIUM SEALING	yes (of the sash)
COLOUR	white, golden oak, walnut, dark oak, sapele, grey, anthracite and mountain pine
ONE-SIDED TINTING	anthracite
SEALING COLOUR	grey/black
ALUMINIUM CAP	yes/RAL or film

**INSTALLATION WARRANTY 5 years**

PVC

TROCAL BASIC 70



CHARACTERISTICS



**THERMAL INSULATION**  
Uw = 1.3 - 0.95 W / m2K



**SOUND PROTECTION**  
34 - 44 dB



**SECURITY**  
Basis

PROFILE DIMENSIONS:

FRAME - WIDTH / HEIGHT	70 mm/63 mm
FRAME + SASH	112 mm
INSULATED GLASS UNITS	24 mm and 38 mm
MEDIUM SEALING	yes (of the sash)
COLOUR	white, golden oak, walnut, dark oak
SEALING COLOUR	grey/black
ALUMINIUM CAP	no

**INSTALLATION WARRANTY** 5 years



**COSINESS, COMFORT  
AND SECURITY  
ALL IN ONE**



### WOODEN PROFILES

High quality, triple glued profiles made of softwood and hardwood.

### FINISHES AND PAINT

Coating from environmentally friendly materials which guarantee a high level of durability and resistance to external atmospheric conditions. Waterproof flue from stress group D4, in accordance with DIN EN 204. Wide range of colours.

### INSULATED GLASS UNITS

Combination of various glass panes depending on each customer's needs.

### HARDWARE

Allows for turn-type opening, turn & tilt opening, a security hardware, a hidden hardware and irregular shape hardware.

The combination of 78 mm and 92 mm wooden profiles with triple glazing can reach THERMAL INSULATION values of  $U_w$  0.8 W/m<sup>2</sup>K. The thermal transmittance ratio is equal to that of a finished brick wall with a width of 56 cm, as well as a 53 cm finished brick wall with a 3 cm external and 2 cm internal sealing. Soundproofing achieved with a standard unit  $R_w = 32-47$  Db, combined with frame and triple-glazing constructions. Wooden windows with a 78 mm profile can reach a  $U_w$  value of around 0.8 – 1.4 W/m<sup>2</sup>K.

#### WOODEN PROFILE RATIOS:

FOR THE 78 MM SERIES:	Material	$U_f$	W/m <sup>2</sup> K	Material	$U_f$	W/m <sup>2</sup> K
	Spruce	0.99	W/m <sup>2</sup> K	Meranti	1.1	W/m <sup>2</sup> K
	Oak	1.4	W/m <sup>2</sup> K	Ash	1.4	W/m <sup>2</sup> K
FOR A 92 MM SYSTEM:	Material	$U_f$	W/m <sup>2</sup> K	Material	$U_f$	W/m <sup>2</sup> K
	Spruce	0.87	W/m <sup>2</sup> K	Meranti	0.95	W/m <sup>2</sup> K
	Oak	1.3	W/m <sup>2</sup> K	Ash	1.3	W/m <sup>2</sup> K



Profile	Hardware	Insulated glass unit	Thermal conductivity $U_w$	Ratio Comparison of $U_w$	Soundproofing
Trocal Classic 76	ActivePilot	44 mm	0.9 W / m <sup>2</sup> K	40	35 d B
Trocal Prestige 88	ActivePilot	52 mm	0.8 W / m <sup>2</sup> K	47	36 d B
Wooden profile (spruce) 78	ActivePilot	44 mm / 52 mm	0.8 W / m <sup>2</sup> K	47 - 14	35 d B / 36 d B

#### IMPORTANT

When ordering wooden windows, the customer must always specify the type of wood, the colour code from the catalogue, the silicone colour and the colour of the drip profiles.

#### WOODEN PROFILE PALETTE

Ash T5501 + T5701	Ash T5503 + T5704	Ash T5504 + T5705	Ash T5504 + T5709	Ash 615329016 + 660319016	Ash RAL 9001
Oak T5501 + T5701	Oak T5503 + T5704	Oak T5504 + T5705	Oak T5504 + T5709	Oak 615329016 + 660319016	Oak RAL 6009
Spruce T5501 + T5701	Spruce T5501 + T5701	Spruce T5504 + T5705	Spruce T5504 + T5709	Spruce 615329016 + 660319016	Spruce RAL 9016
Meranti T5501 + T5701	Meranti T5503 + T5704	Meranti T5504 + T5705	Meranti T5504 + T5709	Meranti 615329016 + 660319016	Meranti RAL 7016

#### DRIP PROFILE PALETTE

ELOXATION IN BROWN	ELOXATION IN SILVER	ELOXATION IN BRONZE	RAL

#### SILICONE PALETTE

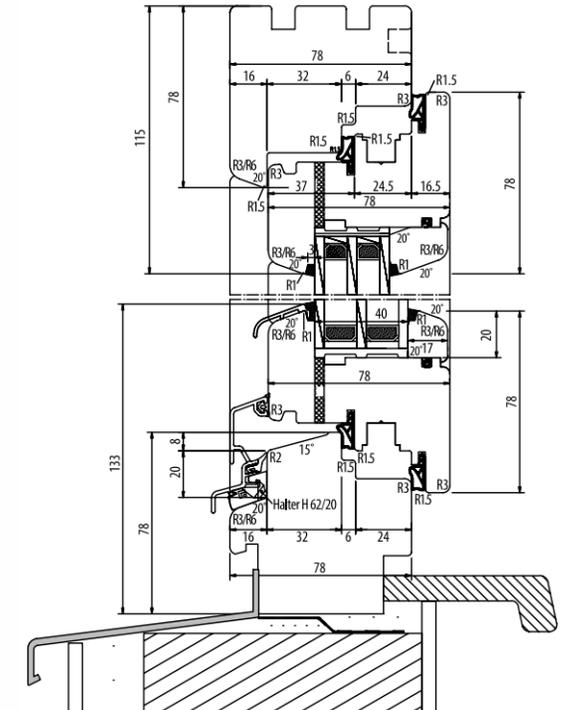
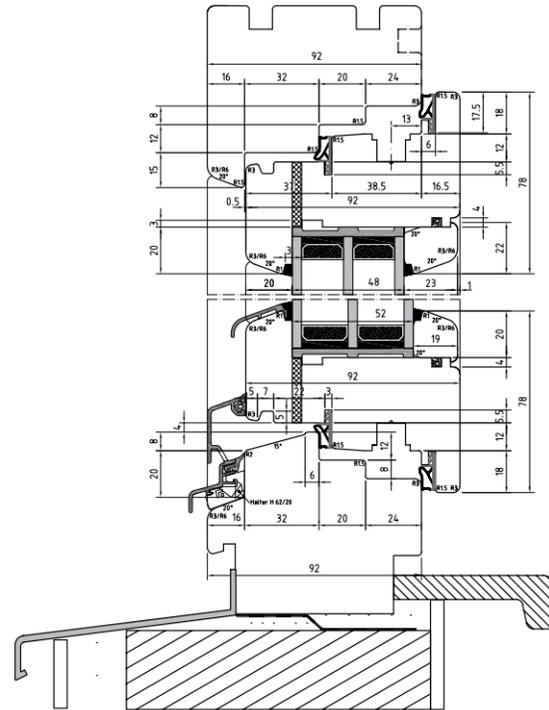
- RAL 9016
- RAL 8014
- RAL 7016
- Transparent (see-through)

WOOD

WOOD

92 MM SYSTEM

78 MM SYSTEM



CHARACTERISTICS

CHARACTERISTICS



**THERMAL INSULATION**  
Uw = 1.1 - 0.75 W/m2K



**SOUND PROTECTION**  
34 - 44 dB



**SECURITY**  
basis + 1 / RC2

PROFILE DIMENSIONS:

FRAME - WIDTH /HEIGHT	92 mm / 78 mm
FRAME + SASH	128 mm
INSULATED GLASS UNITS	44 mm, 52 mm
SEAL	double seal system of the sash
COLOUR	RAL colours, transparent finishes
SEALING COLOUR	white, beige, brown and black
ALUMINIUM CAP	yes

**INSTALLATION WARRANTY 5 years**



**THERMAL INSULATION**  
Uw = 1.2 - 0.8 W / m2K



**SOUND PROTECTION**  
34 - 44 dB



**SECURITY**  
basis + 1 / RC2

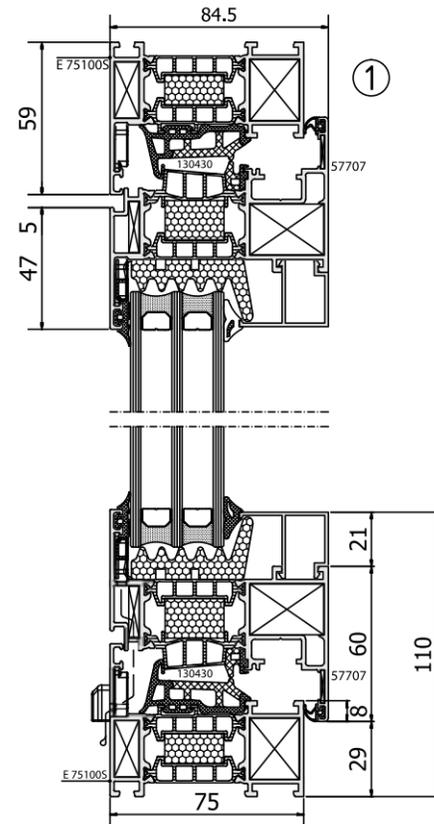
PROFILE DIMENSIONS:

FRAME - WIDTH /HEIGHT	78 mm / 78 mm
FRAME + SASH	116 mm
INSULATED GLASS UNITS	32 mm, 40 mm
SEAL	double seal system of the sash
COLOUR	RAL colours, transparent finishes
SEALING COLOUR	white, beige, brown and black
ALUMINIUM CAP	yes

**INSTALLATION WARRANTY 5 years**

ALUMINIUM

ETEM E-75



CHARACTERISTICS



**THERMAL INSULATION**  
Uw = 1.6 - 1.2 W / m2K



**SOUND PROTECTION**  
34 - 46 dB



**SECURITY**  
Basic + RC2

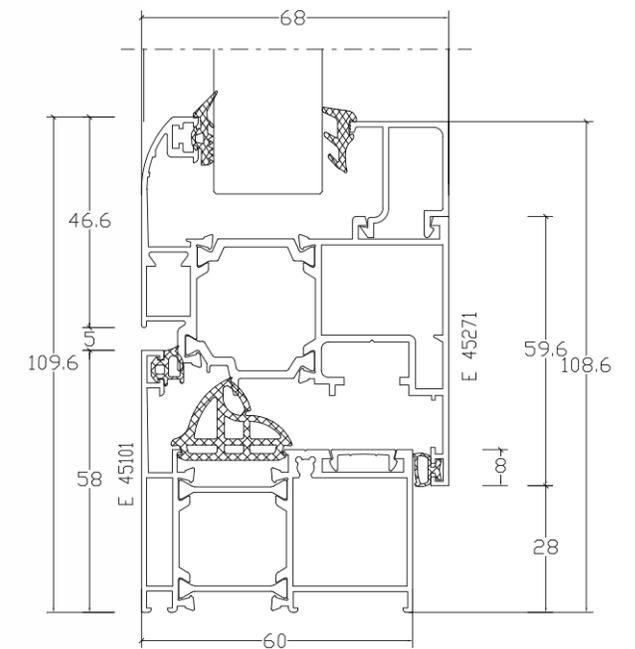
PROFILE DIMENSIONS:

FRAME - WIDTH /HEIGHT	75 mm / 59 mm
FRAME + SASH	110 mm
INSULATED GLASS UNITS	50 mm
MEDIUM SEALING	yes
COLOUR	white/RAL
SEALING COLOUR	black

**INSTALLATION WARRANTY 5 years**

ALUMINIUM

ETEM E-45



CHARACTERISTICS



**THERMAL INSULATION**  
Uw = 1.9 - 1.4 W / m2K



**SOUND PROTECTION**  
34 - 42 dB



**SECURITY**  
Basic + RC2

PROFILE DIMENSIONS:

FRAME - WIDTH /HEIGHT	60 mm / 58 mm
FRAME + SASH	110 mm
INSULATED GLASS UNITS	24 mm 36 mm 40 mm
MEDIUM SEALING	yes (of the frame)
COLOUR	RAL
SEALING COLOUR	black

**INSTALLATION WARRANTY 5 years**

COMPARISON TABLE

MATERIAL	PVC			WOOD
	TROCAL 88	TROCAL 76	TROCAL 70	92 MM SYSTEM
				
 THERMAL INSULATION	Uw = 0.95 - 0.8 W / m2K	Uw = 1.2 - 0.9 W / m2K	Uw = 1.3 - 0.95 W / m2K	Uw = 1.1 - 0.75 W / m2K
 SOUND PROTECTION	34 - 46 dB	34 - 44 dB	34 - 44 dB	32 - 44 dB
 SECURITY	Basic + RC2	Basic + RC2	Basic	Basic + RC2
HARDWARE	ActivPilot	ActivPilot	ProPilot /ActivPilot	ActivPilot
PROFILE DIMENSIONS:				
FRAME – WIDTH / HEIGHT	88 mm / 78 mm	76 mm / 67 mm	70 mm / 66 mm	92 mm / 78 mm
FRAME + SASH	116 mm	116 mm	118 mm	128 mm
COLOUR	white, golden oak, walnut, dark oak, sapele, anthracite	white, golden oak, walnut, dark oak, sapele, grey, anthracite, mountain pine	white, golden oak, walnut, dark oak	RAL colours, transparent finishes
MEDIUM SEALING	yes	yes (of the sash)	yes (of the sash)	double seal system of the sash
SEALING COLOUR	grey/black	grey/black	grey/black	white, beige, brown and black
INSULATED GLASS UNITS	52 mm	30 mm/44 mm	24 mm/38 mm	44 mm/52 mm
ALUMINIUM CAP	yes/RAL/film	yes/RAL/film	no	yes
ELEGANCE SASH	-	white + 4 colours*	-	-
WARRANTY/INSTALLATION	5 years	5 years	5 years	5 years

Legend: \* with pre-orders

COMPARISON TABLE

WOOD	WOOD and ALUMINIUM	ALUMINIUM	
78 MM SYSTEM	78 MM SYSTEM 92 MM SYSTEM	ETEM E-75	ETEM E-45
			
Uw = 1.2 - 0.8 W / m2K	78mm Uw = 1.2 - 0.8 W/m2K 92mm Uw = 1.1 - 0.75 W/m2K	Uw = 1.6 - 1.2 W / m2K	Uw = 1.9 - 1.4 W / m2K
32 - 44 dB	32 - 44 dB	34 - 46 dB	34 - 42 dB
Basic + RC2	Basic + RC2	Basic + RC2	Basic + RC2
ActivPilot	ActivPilot	ActivPilot	ActivPilot
78 mm / 78 mm	78mm - 68 mm / 78 mm 92mm - 68 mm / 92 mm	75 mm / 59 mm	60 mm / 58 mm
116 mm	78mm - 122 mm 92mm - 136 mm	110 mm	110 mm
RAL colours, transparent finishes	RAL colours, transparent finishes	white/RAL	RAL
double seal system of the sash	double seal system of the sash	yes	yes
white, beige, brown and black	white, beige, brown and black	black	black
32 mm, 40 mm	78mm - 40 mm, 50 mm 92mm - 44 mm, 52 mm	50 mm	24mm / 36 mm / 40 mm
yes	yes	-	-
-	-	-	-
5 years	5 years	5 years	5 years

# AN UNLIMITED SELECTION OF SHAPES

## UNCONVENTIONAL SHAPES

In response to contemporary trends in architecture and construction, as well as in the field of renovating old buildings, Rollplast offers the manufacture and installation of unconventionally shaped windows. The available options include bevelled windows, the shape of an arch or a triangular form.

The selection of a window does not simply come down to the choice of profile and IGU. There are a number of accessories which give the window a finished look, whereas some can be perceived as interior design solutions.

### WOODEN INTERIOR SILLS

Dimensions depending on the width of the wall, with a colour palette for the paint featuring RAL colours as well.



### INTERIOR PVC SILLS – Available in the following widths and colours:

- 100 mm – white, golden oak
- 150 mm – white, golden oak, walnut, sapele, dark oak
- 200 mm – white, golden oak, walnut, dark oak, sapele, pine, grey and anthracite
- 250 mm – white, golden oak, sapele, dark oak, walnut
- 300 mm – white, golden oak, walnut
- 400 mm – white, golden oak



### EXTERIOR ALUMINIUM SILLS AND OVERHANGS

Available with a width of 11 cm, 15 cm, 17 cm, 21 cm, 23 cm, 25 cm, 28 cm, 30 cm, 32 cm and 34 cm. The standard colours kept in stock include white and brown RAL 8014. Powder coating from the RAL catalogue optional.





## INTERIOR DECORATIVE ASTRAGAL BARS

The interior decorative bars are an accessory to the window and they give your home an individual style and aesthetics. They can be used to construct figures which are placed in the IGU and attached to the spacer. They are available in different sizes and colours.



### Decorative astragal bars 8 mm

Available colours: white, golden, matte silver

### Decorative astragal bars 18 mm

Available colours: white, golden oak, dark oak, mahogany, walnut

### Decorative astragal bars 24 mm

Available colours: customer's choice

### Decorative astragal bars 26 mm

Available colours: white, golden oak, dark oak, walnut

## EXTERIOR DECORATIVE ASTRAGAL BARS

The exterior decorative bars complement the exterior of your house. They are available in the following dimensions: 26 mm, 35 mm, 50 mm. They can be made of PVC, aluminium or wood in the following palette: white, golden oak, walnut, sapele and dark oak.



### ActivPilot CONCEPT (latest generation hardware for Tilt and Turn windows)

- ActivPilot is a latest generation hardware system offered by Rollplast. It combines a contemporary design with a high level of functionality.

- ActivPilot is a system which allows for a Tilt and Turn mechanism, which is usually delivered with an increased security level or the so called anti-burglary hardware, offered at the price of the standard configuration for casement and Tilt and Turn windows. This is due to the fact that all elements of the window sash only have locking points with a head locking pin, and higher levels of security (RC1/WK1, RC2/WK2) can only be achieved by replacing the strike plates with security ones, which is an immense advantage not only with regard to the price, but also in the increasingly frequent cases of retrofitting already installed windows to the higher level of security requested by the customer.



### SECURITY LEVEL RC2

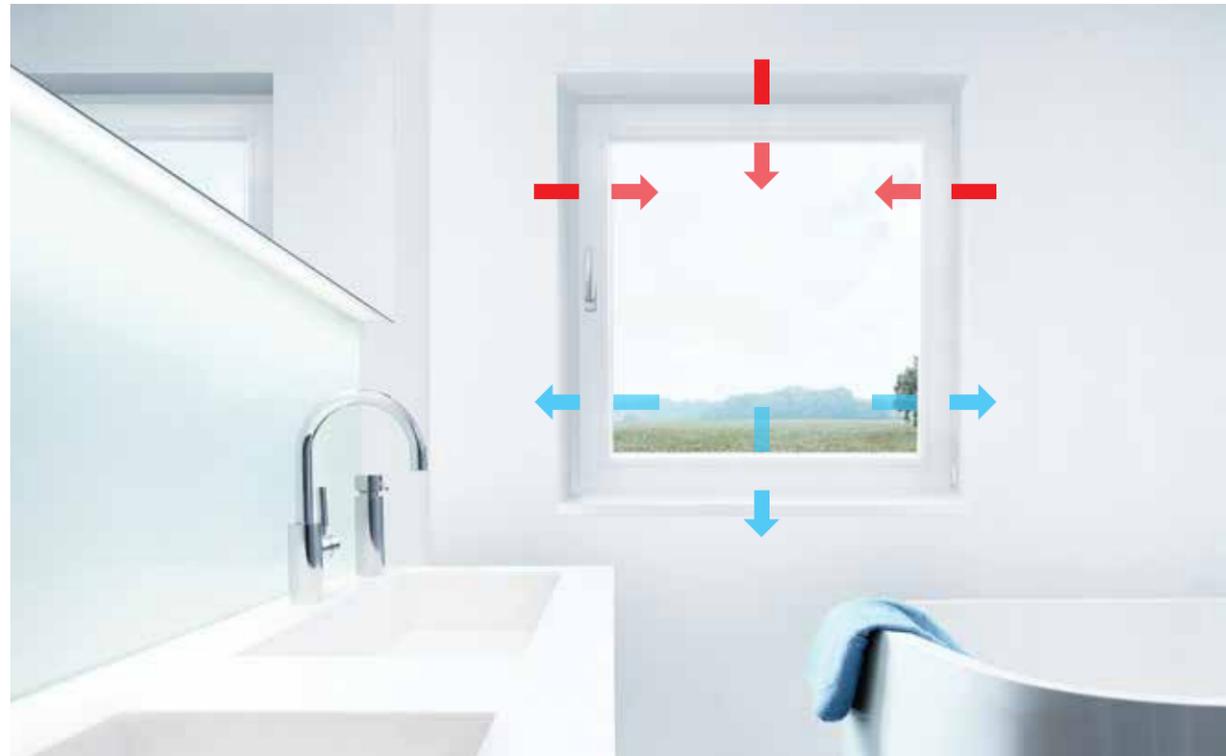
Intended for easy-access windows in buildings with a high risk of burglary. This type of locking features protection against opening using tools (screwdrivers, pliers, jacks, etc.), and test results show that the minimum time for overcoming the defence when using such tools with a security class of RC2 is 3 minutes.

### GUARD HIGH SECURITY\* WINDOW

Constructed in accordance with the requirements of the security standard EN 1627-1630, class RC2:

- Security hardware with an RC2 security level
- P4A-class glass in compliance with standard EN356 – with 4 foils 4.4.4
- Gluing units to a profile
- Placing an unbroken iron profile along the entire circumference of the frame
- Placing restrictive padding which does not allow any displacement of the profile with the help of tools
- A handle with a key capable of withstanding pressure of 100 nm
- Installation with special fasteners
- Rollplast issues security certificates.

\*The window can be implemented with an activPilot PAD hardware with 3D opening.



### ActivPilot Comfort PADK (hardware for parallel opening)

Based on the ActivPilot module system, Rollplast offers a completely new hardware concept – ActivPilot PADK, which allows the sash to be brought out 6 mm parallel to the frame along the entire perimeter of the window. This ensures the continuous and natural airing of the premises. Along with ventilation, Rollplast does not ignore the growing need of anti-burglary protection, allowing for the highest class of security – RC2/WK2, to be achieved even when the sash is open in parallel to the frame. **This ensures the simultaneous aeration of the home and anti-burglary defence of the windows or balcony doors.**

The ActivPilot PADK system unifies the proven concept of the combined hardware with the innovative and functional technology of parallel opening of the sash to the frame. This way, the sash can be opened not only using the Tilt and Turn mechanism, but it can also be opened with a 6 mm parallel opening to the frame, which gives additional value to your windows through the opportunity for natural ventilation and guaranteed security of the room – with a level of security up to (RC2/WK2).

**INNOVATION** – 6 mm of parallel space between the sash and the frame of the window.

**COMFORT** – natural and secure ventilation of the premises during all seasons.

**SECURITY** – even with parallel opening, the system is secure against burglary to the same degree as when the windows is fully closed.





**ActivPilot SELECT**  
(hidden hardware)

Completely hidden hardware for Tilt and Turn windows – ActivPilot Select meets the rigid requirements in terms of design for both large windows and heavy-duty sashes. The system is adjusted for a sash weight of up to 150 kg. It can be used for all windows with an installation groove for the hardware of 16 mm and an area of up to 3 m<sup>2</sup>.

ActivPilot Select is available for windows made of PVC, aluminium and wood.

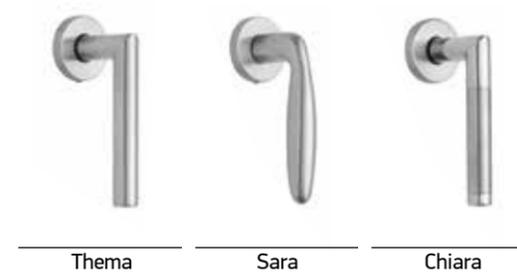
- Optional: caps in all colours offered for the manufacture of windows.
- Easy and functional adjustment. Adjustment of the locking points requires absolutely no tools.



FOR PVC, ALUMINIUM AND WOODEN WINDOWS AND BALCONY DOORS

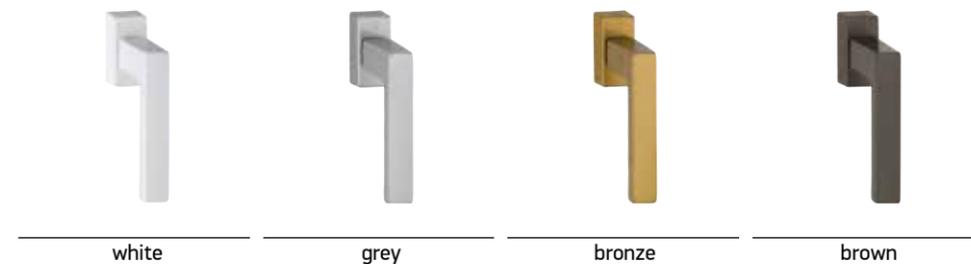


white    brown    bronze    grey    brown    white    white with a key



Thema    Sara    Chiara

TOULON SECUSTIK



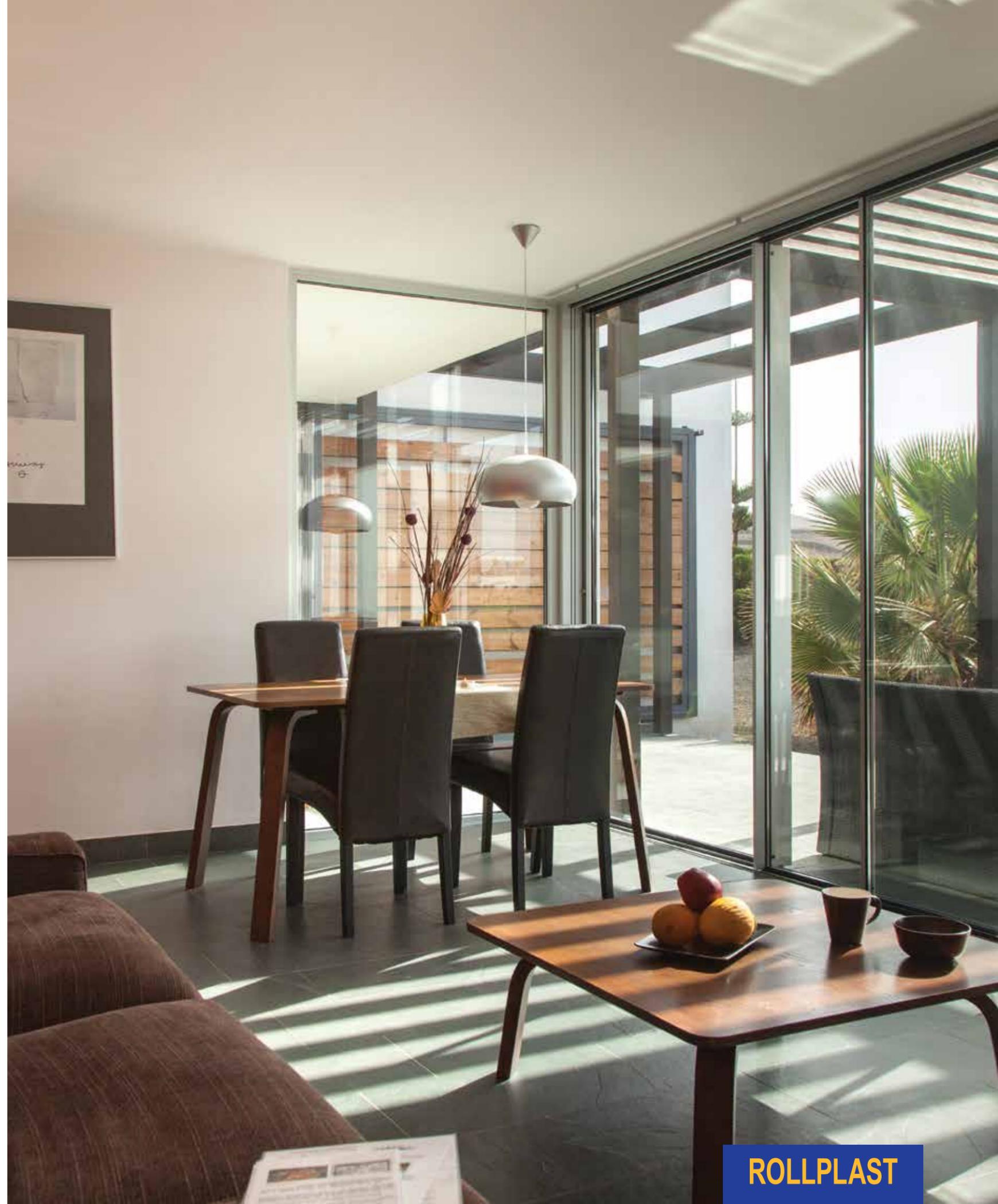
white    grey    bronze    brown

# SLIDING WINDOW SYSTEMS

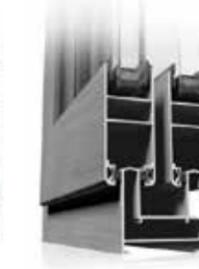
SLIDING SYSTEMS ARE AN INCREDIBLY GOOD SOLUTION FOR:

- Balcony glazing
- Partitioning multi-functional rooms
- Partitioning areas for restaurants and establishments
- Winter gardens

The main advantage to all slider options is that they save space.



MATERIAL	PVC			
	LIFT AND SLIDE WINDOWS	LIFT AND SLIDE WINDOWS	SLIDER	SLIDER
TYPE	PREMIDOOR 88	PREMIDOOR 76 PREMIDOOR 76 LUX	PREMISLIDE 76	PREMILINE
				
 THERMAL INSULATION	Uw = 1.0 - 0.8 W / m <sup>2</sup> K	Uw = 1.4 - 1.1 W / m <sup>2</sup> K	Uw = 1.4 - 1.1 W / m <sup>2</sup> K	-
 SOUNDPROOFING	34 - 36 dB	32 - 39 dB	32 - 39 dB	-
 SECURITY	Basic	Basic	Basic	Basic
HARDWARE	HauTau	HauTau	Sigenia	Winkhaus
PROFILE DIMENSIONS:				
APRON – WIDTH / HEIGHT	207 mm / 65mm	179 mm / 50 mm	156 mm	80 mm / 61 mm
APRON + SASH	150 mm	150 mm	166 mm	137 mm
COLOUR	white, golden oak and walnut	white, golden oak and walnut	white, golden oak and walnut	white, golden oak and walnut
MEDIUM SEALING	yes	yes	yes, with two gaskets	no
SEALING COLOUR	grey/black	grey/black	grey/black	grey/black
INSULATED GLASS UNITS	50 mm	40 mm	44 mm	24 mm
ALUMINIUM CAP	yes / RAL	yes / RAL	yes / RAL	-
WARRANTY / INSTALLATION	7 years	7 years	7 years	5 years

MATERIAL	WOOD	ALUMINIUM			
	LIFT AND SLIDE WINDOWS	LIFT AND SLIDE WINDOWS	SLIDER	SLIDER	FOLDING-SLIDING WINDOWS
TYPE	IV 78 / HA78 MM 92 MM / HA92 MM	ALUMIL S 700	ETEM E-50	ETEM E-1600	ALUMIL M-9800
					
THERMAL INSULATION	78mm Uw = 0.7 - 1.2W/m <sup>2</sup> K 92mm Uw = 0.7 - 1.1W/m <sup>2</sup> K	Uw = 1.62 W / m <sup>2</sup> K	Uw = до 1.45 W / m <sup>2</sup> K	-	-
SOUNDPROOFING	78 mm 32 - 44 dB 92 mm 32 - 39 dB	32 - 39 dB	-	-	30 - 36 dB
SECURITY	Basic	Basic	Basic	Basic	Basic
HARDWARE	HauTau	HauTau	system	system	system
PROFILE DIMENSIONS:					
APRON – WIDTH / HEIGHT	78 mm 184 mm / 56 mm 92 mm 184 mm / 50 mm	160 mm / 42.9 mm	124.8 mm / 45 mm	40 mm / 44 mm	50 mm / 80 mm
APRON + SASH	78 mm 153 mm 92 mm 194 mm	120 mm	127.5 mm	99 mm	100 mm
COLOUR	RAL colours, wood colours and transparent colours	бял / по RAL			
MEDIUM SEALING	no	no	no	no	no
SEALING COLOUR	white, beige, brown and black	black	black	black	black
INSULATED GLASS UNITS	78 mm - 32 and 40 mm 92 mm - 44 and 52 mm HA78 mm - 40 and 50 mm HA92 mm - 44 and 52 mm	32 mm / 46 mm	24 mm	18 mm	24 mm
ALUMINIUM CAP	yes / RAL	-	-	-	-
WARRANTY / INSTALLATION	7 years	7 years	5 years	5 years	5 years

## PARALLEL SLIDING



Made of a PVC Trocal system 70 mm, 76 mm, 88 mm, IV 78 mm, HA 78 mm IV 92 mm, HA 92 mm wooden profile; E-45, E-75 aluminium systems with thermal breaks;

**Large dimensions are an advantage** – width of the sash up to 1.60 m and height up to 2.40 m. This allows for the construction of positions with a width of the opening part of up to 3.20 m;

**Colour options available from the catalogue**, one-sided or two-sided tinting;

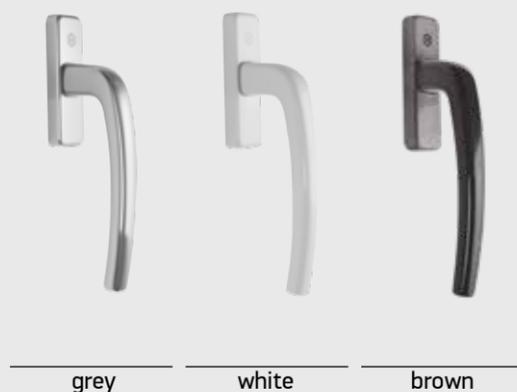
**Choice of colour from the RAL catalogue** for aluminium profiles and painting in wood décor;

**High levels of thermal insulation** -  $U_w$  up to 1.0 W/m<sup>2</sup>K, depending on the choice of profile and IGU;

**Installation options** – for balcony glazing, partitioning areas for restaurants and establishments and for winter gardens;

**Warranty** – 5 years for the installation;

### VOLKSWAGEN HANDLES



grey

white

brown

## STANDARD SLIDER



Constructed from ETEM aluminium systems E -1600, without a thermal break and ETEM E -52, with a thermal break;

**Fillings are placed consisting of** single panes with a width of 8 mm, panels with a thickness of 18 mm or 24 mm, as well as LDF boards, thermopanel and Hunter profiles;

Colour options available from the catalogue;

**Choice of colour from the RAL catalogue** for aluminium profiles and painting in wood décor;

Installed for balcony glazing and partitioning rooms;

**Aluminium system ETEM E -1600** does not offer high levels of thermal insulation or full sealing;

**Warranty** – 5 years for the installation;



### HANDLES



white

brown

### CLICK LOCK FOR SLIDING WINDOWS



without key

with key

\*available in white or black

## LIFT AND SLIDE WINDOWS

HEBE-SCHIEBE



Constructed from **PVC profiles** – Trocal 76 mm, Trocal 88;  
**Wooden profiles** – 78, HA78, IV92, HA92;  
**Aluminium profiles** – Alumil s700;  
**Manufactured in large sizes** – width of up to 6.5m and height of up to 2.6 m;

**Colour options** for the PVC profiles – white, golden oak, walnut, sapele, dark oak, anthracite, grey and pine;

**Choice of colour from the RAL catalogue** for aluminium profiles and painting in wood décor;

**High levels of thermal insulation** –  $U_w$  1.3 – 0.8 W/m<sup>2</sup>K, depending on the type of unit;

**Installation options** – recommended for garden glazing in houses (winter or summer gardens), establishments;

**Warranty** – 5 years for the installation;



### HANDLES



grey

white

brown

## FOLDING-SLIDING WINDOWS



Made of a **PVC Trocal system** 76 mm, IV 78 mm and HA 78 mm – wooden profile and aluminium profile M 9800



**The manufacture in large sizes is an advantage** – width of up to 6.4 m and height of up to 2.4 m;

**Colour options** for PVC profiles in 23 colours, 3 of which are kept in stock: white, golden oak, walnut, with the option of one-sided or two-sided (exterior and interior) tinting by special order;

**Choice of colour from the RAL catalogue** for aluminium profiles and painting in wood décor;

**High levels of thermal insulation** –  $U_w$  of up to 1.0 W/m<sup>2</sup>K, depending on the type of unit;

**Installation options** – partitioning areas for restaurants and establishments and for winter gardens;

**Warranty** – 5 years for the installation;

# INSULATED GLASS UNITS



**ROLLPLAST**



## INSULATED GLASS UNITS

The insulated glass unit is a construction of two or more glass panes with air-filled space between them formed by spacers of various sizes and hermetically sealed.

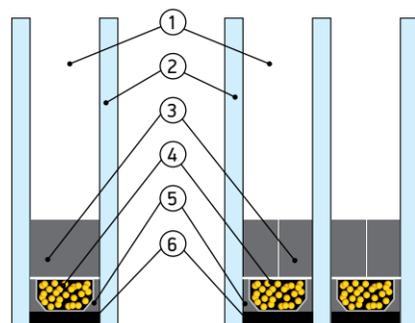
In order to achieve good technical performance, an IGU needs two degrees of sealing. The dual-barrier IGU consists of a spacer frame filled with adsorbent (a molecular sieve) which is covered on both sides with butyl acting as a barrier preventing the passage of water vapours (first degree of sealing). The second barrier is the outer sealing of the space between the panes and the spacer with a polysulfide.

The spacer serves to provide a certain distance between the panes, whereas the moisture sealed with the air during the manufacturing of the insulated glass unit is soaked in by the adsorbent with which the unit is filled.

When implemented correctly, no water can penetrate the inside of the unit and no condensation can occur between the panes.

The unit is about 80% of the area of the entire window and it has the greatest effect on the insulation features of the window – thermal insulation  $U$  ( $W/m^2 K$ ), soundproofing  $R$  (dB), solar protection or solar gain  $g$  (%), light transmittance (%).

DOUBLE-GLAZING UNIT      TRIPLE-GLAZING UNIT



1. Air chamber
2. Glass
3. Spacer
4. Adsorbent (absorbs moisture)
5. Butyl (water vapour barrier)
6. Exterior sealant (polysulfide, polyurethane, silicone)

Construction	Type of IGU	Size, mm	Ug ratio ( $W/m^2 K$ ), with air	Ug ratio ( $W/m^2 K$ ), with argon gas	Rw, soundproofing (dB)	Transmittance of ultraviolet rays UV, %	Solar gain, %	Light transmittance, %	Reflection, %	
	SINGLE WHITE PANE	4	5.8		23	69	86	90	8	
		WHITE/WHITE	24	2.7	2.6	30	54	77	81	15
		WHITE, LOW-EMISSIVITY	24	1.4	1.1	30	34	62	79	12
		HIGH PERFORMANCE TINTED	24	1.4	1.1	35	3	42	66	26
	HIGH PERFORMANCE WHITE	24	1.3	1.0	30	25	42	66	26	
		30	1.0	0.8	32	15	38	60	29	
		38	0.9	0.7	32	15	38	59	29	
		40	0.8	0.6	35	15	38	60	29	
		44	0.7	0.5	35	15	38	60	29	
	LOW EMISSIVITY /WHITE/ LOW EMISSIVITY	52	0.7	0.5	35	15	38	60	29	
		32	1.1	0.8	32	20	49	71	15	
		38	0.9	0.7	32	20	49	71	15	
		40	0.8	0.6	35	20	49	71	15	
		44	0.8	0.6	35	20	49	71	15	
52	0.7	0.5	35	19	49	71	15			

### SPECIFICATIONS OF THE IGU:

**Thermal transmittance coefficient (Ug)** – indicates the quantity of heat passing through 1 sq.m. of a glazed surface in a measure of time with a temperature difference of 1K between the room air in contact with the glass and the outside air ( $Ug = W/m^2 K$ ). This is the most significant technical specification of an insulated glass unit, as the lower this value is, the smaller the heat loss and the heating costs will be.

**Soundproofing (Rw)** – the Rw index measures the sound insulation of the unit. The higher the value of this index, the better the soundproofing.

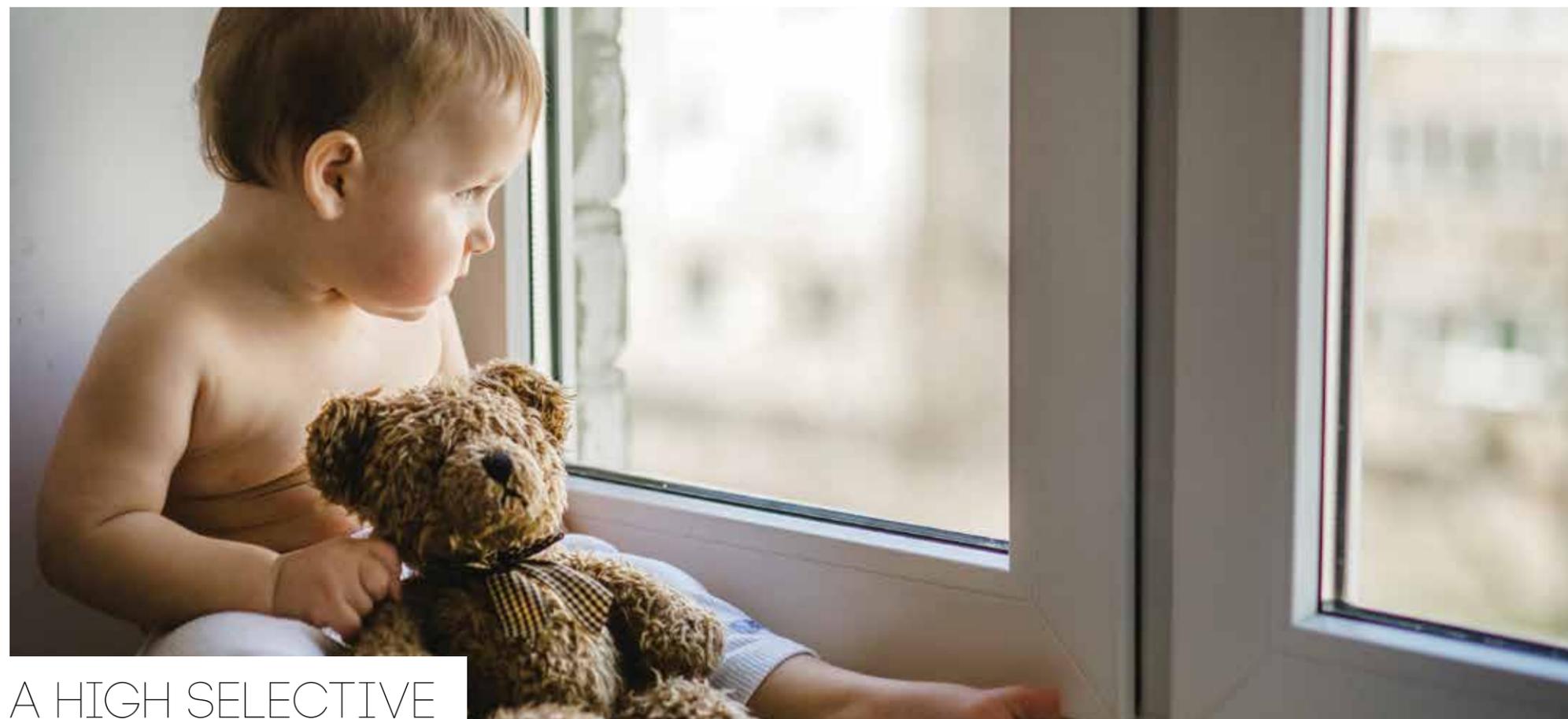
**UV (%)** – penetration of harmful ultraviolet rays causing paint to fade.

**Solar gain (%)** – the sum of the directly transmitted energy and the part of energy absorbed by the glass which is emitted from the glazing to the interior.

The greater the direct reflection of solar energy is from the glass, the lower the solar gain is, along with the costs of air conditioning during the summer months.

**Light transmittance (%)** – transmittance of visible sunlight (natural light). The lower the value is in %, the darker it will be in the room.

**Reflectance (%)** – the quantity of sunlight reflected from the unit. The higher the reflectance percentage is for the glass, the more prominent its mirroring quality will be.



## A HIGH SELECTIVE

spacer or “warm edge” for IGUs is used when a spacer with improved thermal insulation qualities is implemented instead of the commonly used aluminium spacer. The High selective spacer offered by Rollplast is made of PVC or stainless steel due to the fact that these materials have lower thermal conductivity. Windows with insulated glass units featuring a High selective spacer can achieve a reduction in the thermal transmittance coefficient of about 7% while also reducing the risk of condensation or mould on the interior side of the windows.

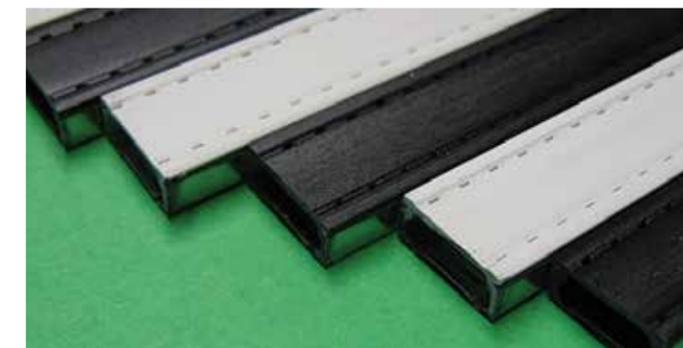
### THERMAL INSULATION OF WINDOWS

Formula for determining the thermal transmittance coefficient of a finished window

$$U_w = \frac{A_g \times U_g + A_f \times U_f + I_g \times Y_g}{A_g + A_f} \quad (1)$$

**U<sub>w</sub>** – thermal transmittance coefficient of the window  
**U<sub>g</sub>** – thermal transmittance coefficient of the insulated glass unit  
**U<sub>f</sub>** – thermal transmittance coefficient of the profile (frame and sash)  
**I<sub>g</sub>** – linear thermal transmittance coefficient of the spacer  
**Y<sub>g</sub>** – total length of the spacer

**A<sub>g</sub>** – total area of the glass  
**A<sub>f</sub>** – area of the profile (frame and sash)  
**U<sub>w</sub>** – to be calculated using formula (1)  
**U<sub>g</sub>** – provided by the glass manufacturer  
**U<sub>f</sub>** – provided by the profile manufacturer



Thermal transmittance coefficient U <sub>w</sub> , W/m <sup>2</sup> K, depending on the selected spacer	DOUBLE-GLAZING UNIT U <sub>g</sub> = 1.1 W/m <sup>2</sup> K		TRIPLE-GLAZING UNIT				Critical outside temperature for the formation of condensation at a room temperature of 20 °C, with air humidity at 50%					
			U <sub>g</sub> = 0.6 W/m <sup>2</sup> K		U <sub>g</sub> = 0.5 W/m <sup>2</sup> K		Double-glazing unit 24 mm, U <sub>g</sub> = 1.1 W/m <sup>2</sup> K		Triple-glazing unit 40 mm, U <sub>g</sub> = 0.6 W/m <sup>2</sup> K		Triple-glazing unit 50 mm, U <sub>g</sub> = 0.5 W/m <sup>2</sup> K	
	Aluminium spacer	High Selective	Aluminium spacer	High Selective	Aluminium spacer	High Selective	Aluminium spacer	High Selective	Aluminium spacer	High Selective	Aluminium spacer	High Selective
PVC windows 88 mm U <sub>f</sub> = 1.0 W/m <sup>2</sup> K			0.96	0.85	0.90	0.78			-5	-14	-6	-16
PVC windows 70 mm U <sub>f</sub> = 1.3 W/m <sup>2</sup> K	1.30	1.20					-2	-10				
Aluminium windows U <sub>f</sub> = 1.8 W/m <sup>2</sup> K	1.60	1.50					-2	-10				
Wooden windows 78 mm	1.20 - 1.40	1.20 - 1.40	0.80 - 1.00	0.80 - 1.00	0.70 - 0.95	0.70 - 0.95			-5	-14	-6	-16

### TYPES OF SPACER:

- **AL spacer**
  - 8, 9, 10, 11, 12, 14, 15, 16, 18, 20, 22 and 24 mm
  - 6 mm – by request only
- **HS black and grey\***
  - 10, 12, 14, 16, 18 and 20 mm



## SOUND PROOFING

Along with the thermal insulation properties of the units and the anti-burglary protection, soundproofing is very important and an increasingly sought-after feature of panes and units as materials used in contemporary construction. The soundproofing of the unit is an indicator of the level of absorption of sound waves. The acoustic properties of a window are measured by the soundproofing value –  $R_w$ , in dB (logarithmic decibel scale).

The percentages by which they reduce noise at specific soundproofing values should also be known:

**3 dB** – barely audible sound

**10 dB** – sound is reduced by **50%**

**20 dB** – sound is reduced by **75%**

**30 dB** – sound is reduced by **88%**

**40 dB** – sound is reduced by **94%**

INSULATED GLASS UNIT	CONFIGURATION	FILM	THICKNESS	GAS	SOUND PROOFING DB
<b>DOUBLE-GLAZING UNIT</b>					
24	4 / 16 / 4		24	Argon	31
24	4 / 15 / 5		24	Argon	35
24	4 / 14 / 4		24	Argon	35
24	4 / 12 / 8		24	Argon	36
24	6 / 12 / 6		24	Argon	33
24	6 / 12 / 33.1	PVB	24.38	Argon	35
24	4 / 12 / 44.2	PVB	24.76	Argon	37
24	33.1 / 12 / 33.1	PVB	24.76	Argon	36
30	6 / 16 / 44.2	SR	30.78	Argon	41
30	4 / 22 / 4		30	Argon	35
<b>TRIPLE-GLAZING UNIT</b>					
38	4 / 14 / 4 / 12 / 4		38	Argon	32
38	4 / 12 / 5 / 12 / 4		37	Argon	33
38	6 / 12 / 4 / 10 / 6		38	Argon	35
38	4 / 14 / 4 / 12 / 4		38	Argon	32
38	4 / 12 / 4 / 12 / 33.1	PVB	38.38	Argon	34
38	33.1 / 12 / 4 / 10 / 33.1	PVB/PVB	38.76	Argon	35
38	4 / 12 / 4 / 12 / 33.1	SR	38.38	Argon	36
44	4 / 16 / 4 / 16 / 4		44	Argon	32
44	4 / 16 / 5 / 16 / 4		45	Argon	34
44	6 / 14 / 4 / 16 / 4		44	Argon	34
44	6 / 12 / 4 / 12 / 10		44	Argon	38
44	6 / 14 / 4 / 14 / 6		44	Argon	36
44	4 / 14 / 4 / 16 / 33.1	PVB	44.38	Argon	37
44	4 / 14 / 4 / 14 / 44.2	PVB	44.76	Argon	37
44	6 / 12 / 6 / 12 / 44.2	PVB	44.76	Argon	39
44	8 / 12 / 6 / 12 / 33.1	PVB	44.38	Argon	40
44	33.1 / 14 / 4 / 14 / 33.1	PVB/PVB	44.76	Argon	38
44	44.2 / 12 / 4 / 14 / 33.1	PVB/PVB	45.14	Argon	39
52	55.2 / 14 / 6 / 12 / 44.2	SR/SR	51.44	Argon	47
52	8 / 20 / 4 / 14 / 6		52	Argon	37
52	8 / 16 / 4 / 14 / 55.2	PVB	52.76	Argon	42

**Good soundproofing is achieved through:**

- \* **an asymmetrical composition of the panes** – a combination of panes with different widths (such as 5 + 4 mm) leads to improved absorption of resonance oscillations;
- \* **the width of the gas space** – the wider the distance between panes, the better the soundproofing;
- \* **the use of tinted panes** and panes with special sound-absorbing films;
- \* **the use of inert gasses** (argon, krypton) in the units improves soundproofing and thermal insulation.

Based on European standards, Rollplast recommends that residential buildings, schools and hospitals in the vicinity of busy streets and crossroads use windows with soundproofing of 37 – 39 dB, and that buildings near airports or industrial areas have soundproofing of 41 – 44 dB.

# ENTRANCE DOORS

Entrance doors are part of the diversity Rollplast offers to its customers. They can be made of PVC, aluminium, metal or wood. By choosing a door from Rollplast, you can achieve all of these all at once:

- Very good protection ad security for you and for your family;
- An aesthetic presentation as part of your home façade;
- Excellent soundproofing and thermal insulation properties;



MATERIAL	ALUMINIUM			WOOD	
	ETEM E-45	ETEM E-75	ZERO	WOODEN PROFILE	ZERO
					
<b>SYSTEM</b>	system with a thermal break	system with a thermal break and a polyurethane insert	GUTMANN S70+	IV 78 mm/HA 78 mm IV 92 mm/HA 92 mm	IV 78 mm/HA 78 mm IV 92 mm/HA 92 mm
<b>HARDWARE</b>	Winkhaus hardware, Stublina hinges	Winkhaus hardware, Stublina hinges	Winkhaus hardware, Stublina hinges	Winkhaus hardware, Simonswerg hinges	Winkhaus hardware, Simonswerg hinges
<b>PROFILE WIDTH</b>	60 mm/68 mm/83 mm	-	70 mm	78 mm/92 mm	78 mm/92 mm
<b>THERMAL TRANSMITTANCE COEFFICIENT OF THE PROFILE (FRAME AND SASH)</b>	Uf – up to 1.9 W/m2K	Uf – up to 1.6 W/m2K	Uf – up to 1.4 W/m2K	Uf – up to 1.3 W/m2K	Uf – up to 1.3 W/m2K
<b>COLOUR</b>	RAL/paint in wood colours	RAL/paint in wood colours	RAL/paint in wood colours	RAL/paint in wood colours or transparent colours	RAL/paint in wood colours or transparent colours
<b>SECURITY</b>	Maximum structural stability	Maximum structural stability	Maximum structural stability	Maximum structural stability	Maximum structural stability

MATERIAL	IRON	PVC			
	ARMOURED ZERO DOORS	ZERO	TROCAL 70 SASH 106	TROCAL 76 SASH 110	TROCAL 88 SASH 110
					
<b>PROFILE WIDTH</b>	67 mm*	76 mm	70 mm	76 mm	88 mm
<b>COLOUR</b>	white, noble oak, wenge, cappuccino and ren griz	white, golden oak, walnut, sapele, dark oak	white	white, golden oak, walnut, sapele, dark oak	white, golden oak, walnut, sapele
<b>ALUMINIUM CAP</b>	-	yes	no	yes	yes
<b>THERMAL TRANSMITTANCE COEFFICIENT OF THE PROFILE (FRAME AND SASH)</b>	-	Uf – 1.1-1.2 W/m2K	Uf – up to 1.3 W/m2K	Uf – up to 1.2 W/m2K	Uf – 1.0 W/m2K
<b>COLOUR OF THE ALUMINIUM CAP</b>	-	RAL colour	RAL colour	RAL colour and paint in wood décors	RAL colour and paint in wood décors
<b>HARDWARE</b>	Secureme	Winkhaus hardware, Stublina hinges			
<b>HANDLES AND FILLERS</b>	customer's choice				

Legend: \* includes 12 mm MDF coating

## THERMOPANELS FOR ENTRANCE, PVC AND ALUMINIUM DOORS

### THERMOPANELS WITHOUT TEXTURE:

They are available in the following sizes and colours: 24 mm – white, golden oak, dark oak 44 mm – white, golden oak, walnut, dark oak, sapele, grey, anthracite, mountain pine. They are made of HPL-cladding panels.

### DECORATIVE THERMOPANELS



Glassless panel

APKA 3 10402

Colour:	Helima:
white	white
walnut	gold
golden oak	gold

Made of PVC panels. Available with a width of 24 mm for the colours white, walnut, golden oak and mahogany; 20mm and 44 mm by special order\*.



APKA 4 10405

Design with glass and no helima

Colour:	
white, golden oak, mahogany and walnut	



Glassless MOSAIC

Design with glass and no helima

Colour:	
white, golden oak, walnut	
Dimensions:	46 / 90 / 210 cm



MOSAIC with glass

Colour:	
white, golden oak, walnut	
Helima:	gold
Dimensions:	46 / 90 / 210 cm

Made of PVC panels in white color. They are available 24 mm and 44 mm thick on request

## SIMPLE

The SIMPLE series panels are best suited for plain and simple forms. They are made with PVC cladding of 1.5 mm.

VENSO  
900/2100

Optional widths of 52 mm, 44 mm and 24 mm with custom colours and glass

Cladding: PVC panel – 1.5 mm, available

Colour:	Glass:
white 44 mm*	Satinat
white 24 mm*	Stainat, Deltamat, Chincilla
golden oak 24 mm	Chinchilla Bronze
walnut 24 mm*	Chinchilla Bronze, Silvit Bronze*

\* by special order

VIVO  
900/2100

Optional widths of 52 mm, 44 mm and 24 mm with custom colours and glass, as well as a glassless model.

Cladding: PVC panel – 1.5 mm

Colour:	Glass:
white 24 mm*	Satinat

\* by special order

### DECORATIVE THERMOPANELS

The decorative thermopanel panels are made of XPS polystyrene insulation with plastic plates glued on both sides of it. The plates can be made of the well-known by now PVC material or of ABS. The thermal transmittance coefficient measuring the quantity of heat passing through 1 sq.m. of panel for a measure of time is  $U_g = 1.5 \text{ W/m}^2\text{K}$ .

All panels have a width of 24 mm, 44 mm or 52 mm and built-in glass. (Custom models orders must specify the colour and glass chosen by the customer, the aluminium reinforcement, as well as the decoration of the built-in glass for a period of 4 weeks).

ZAGI  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: PVC panel – 1.5 mm, available

Colour:	Glass:
white 20 mm*	Satinat
white 44 mm*	Satinat
golden oak 44 mm*	Chinchilla Bronze
golden oak 24 mm*	Chinchilla Bronze
walnut 24 mm*	Chinchilla Bronze

\* by special order

VENCO  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: PVC panel – 1.5 mm, available

Colour:	Glass:
white 44 mm*	Satinat
golden oak 24 mm	Madera

VITO  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: PVC panel – 1.5 mm, available

Colour:	Glass:
white 44 mm*	Satinat
white 20 mm	Satinat

## LINEGO

The LINEGO series features edging of the glass panes in silver. They are suitable for buildings featuring a more contemporary architectural style. They are made with ABS cladding of 3.5 mm.



**BALLA**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
golden oak 24 mm*	Chinchilla Bronze, Chinchilla
walnut 24 mm*	Silvit Bronze

\* by special order



**KORIN**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm*	Deltamat
golden oak 24 mm	Chinchilla Bronze
walnut 24 mm*	Chinchilla Bronze

\* by special order



**KAHLO**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm*	Satinat, Chinchilla



**REVERE**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm*	Satinat
golden oak 24 mm	Chinchilla Bronze
walnut 24 mm*	Silvit Bronze

\* by special order



**METSU**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm*	Satinat, Deltamat
golden oak 24 mm*	Chinchilla Bronze
walnut 24 mm	Silvit Bronze

\* by special order



**TISSOT**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm

Colour:	Glass:
white 24 mm*	Satinat, Chinchilla

\* by special order



**FARRER**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm*	Satinat, Chinchilla

\* by special order



**DADDI**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm*	Satinat

\* by special order

## MODERNO

MODERNO is a series which unifies classic design and elements of current trends. They are made with ABS cladding of 3.5 mm.



**DICKINSON**  
850/2000

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm	Deltamat, Chinchilla
golden oak 24 mm	Chinchilla Bronze
walnut 24 mm	Silvit Bronze, Silvit



**SARTO**  
850/2000

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm	Sarto 2
white 24 mm	Deltamat
white 24 mm	Chinchilla
golden oak 24 mm	Chinchilla Bronze
walnut 24 mm	Chinchilla Bronze



**KROLL**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 44 mm*	Satinat
golden oak 24 mm	Chinchilla Bronze, Chinchilla
walnut 24 mm*	Silvit Bronze



**RAPHAEL**  
900/1920

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm

for the Deltamat option

Colour:	Glass:
white 24 mm*	Chinchilla

\* by special order



**SEURAT\***  
850/2000

Cladding: ABS, 3.5 mm available

Colour:
white 24 mm*

\* while in stock



**DONAT**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm available

Colour:	Glass:
white 24 mm	Chinchilla
white 24 mm*	Deltamat

\* by special order

## TRADICIONALNO

The panels from the TRADICIONALNO series may appeal to people with a taste for vintage interior and exterior design. Just like LINEGO and MODERNO, they are made with ABS cladding with a thickness of 3.5 mm. The thermopanel panels are available without decorations on the built-in panes.



**LINARD**  
900/2100

Optional widths of 44 mm and 24 mm with custom colours and glass

Cladding: ABS, 3.5 mm\* наличен

Colour:	Glass:
white 24 mm*	Deltamat
golden oak 24 mm*	Silvit Bronze
walnut 24 mm	Silvit Bronze

\* by special order

MASSIVE WOOD ENTRANCE DOORS (available in a range of colours by customer's choice) with the following characteristics: **shock resistant, torsion resistant, good soundproofing, moisture resistant**, manufactures by the customer's size specifications;



**What will you gain?** You will have security, your façade will become more aesthetic and you will rediscover individuality in the exterior of your home.

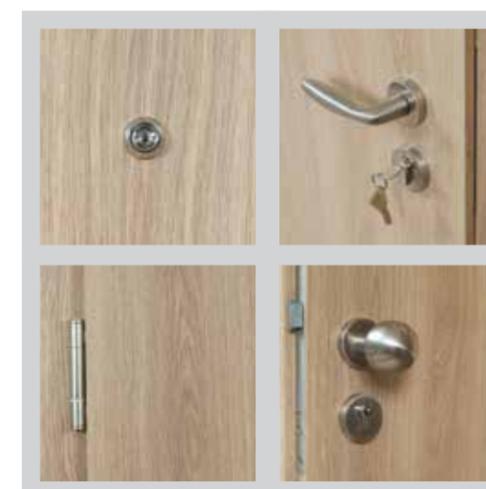
## WESTAG&GETALIT MODELS / APARTMENT FRONT DOORS

### FRONT DOOR - WK3/ SK37-1-65 Portalit



Colour: Wenge  
Cladding: HPS (melamine)  
Filling: dense fibreboard with an aluminium insert  
Frame: door frame with sill, shock resistant  
Lock: three-point locking  
Hinges: reinforced, passive pins  
Removable threshold  
Door viewer  
Handles: TRESOR lock plate, two-sided  
Soundproofing: 37 dB

### FRONT DOOR - WK2/ SK32-1-40 Portalit



Colour: Eiche Italia (Italian oak)  
Cladding: HPS (melamine)  
Filling: dense fibreboard with an aluminium insert  
Frame: door frame with sill, shock resistant  
Lock: PZ (security) with additional protection  
Hinges: reinforced  
Removable threshold Door viewer  
Handles: SARA, knob  
Soundproofing: 32 dB

# DOOR ZERO



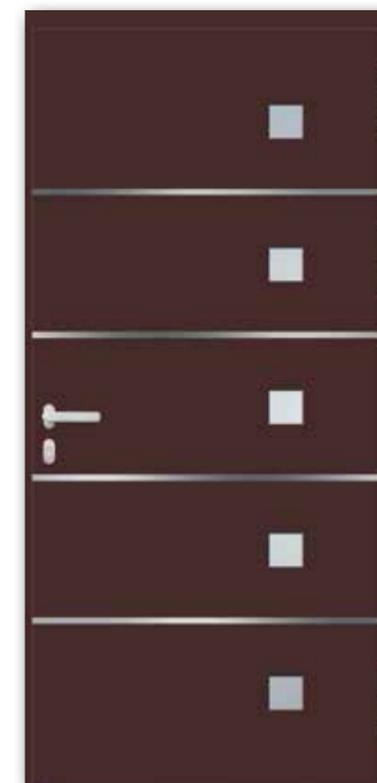
## ENTRANCE DOORS ZERO

A personification of all requirements for high-quality exterior systems for opening residence doors. They are a product of the highest class and implementation standard in Western Europe. They are made of aluminium sheet metal with a thickness of 3 mm, which covers 52-80 mm of Fibran. The rabbet of the sash is aligned with the door frame. Resistant, painting in all RAL colours

optional, with excellent thermal insulation. Security class of the lock – basic, with hook bolts, making it much more secure than a standard cylinder cartridge and providing better sealing of the door at the same time. Reinforced hinges with a load capacity of up to 160 kg and adjustability of +/- 3 mm.

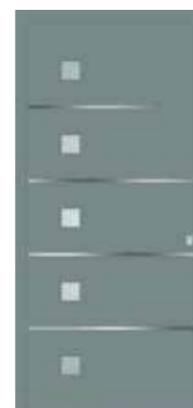


MARIBOR AUSS 7009



MARIBOR INN 7009

A variety of panel models, colours and texture glass



MARIBOR



BONN



COPENHAGEN



FRANKFURT



PISA

# ARMoured DOORS



## STYLE AND SECURITY FOR YOUR HOME

There are 3 focal points when choosing a front door for any residence:  
**STRUCTURE, DESIGN AND SECURITY.**

The sash of Rollplast's armoured doors is made of two electro-galvanised metal sheets with a thickness of 1 mm and internal reinforcement of 1.5 mm edged with a frame of 4 metal profiles with a width of 1.5 mm. The sash is covered on both sides with MDF sheets with a width of 6 mm and PVC cladding. It has an integrated automatic removable threshold fastened with a thick rubber gasket. The metal door frame is made of galvanised sheet metal with a thickness of 1.5 mm and scratch-resistant coating. The full rubber sealing, the decorative frame and sills made of MDF with a thickness of 2 cm provide additional comfort and aesthetics in your home.

Security is ensured with a 16-point locking system with 11 active and 5 passive pins, a lock with a built-in stopper against vibrations. The hardware comes from the Italian company SECUREME and it features an additional restriction device for controlled opening of the adjustable bolt, a panoramic view from the 180-degree door viewer, interior and exterior operational handle.

The doors supplied by Rollplast come in 5 colours – white, cappuccino, noble oak, wenge and ren griz. They can be made in two different colours on the outside and inside, with decorative aluminium strips or with different types of milling of the MDF sheets.



## HARDWARE FOR PVC, SOLID WOOD AND AL DOORS

*Latest generation automatic security locking for entrance doors from Winkhaus which combines multiple benefits in a single system:*

**AutoLock AV3** is a combination of reliable security, incredible ease of movement, improved comfort on activation and secure, tight closing. Massive locking elements (in the form of “hooks”) and independent sealing elements ensure smooth, yet reliable and tight closing. The reason for the easy operation of the closing mechanism is related to the centrally placed magnetic trigger of the automatic locking system.

**AutoLock AV3** allows for custom modification with the so called “daytime function” which is easily (de)activated mechanically using just one button from a component of the locking striking plate.

The tightly closed (by simply pulling the sash toward the frame), AV3 reinforced door is considered by insurers to be locked and fully secured.

It can easily be unlocked from the outside using a key.

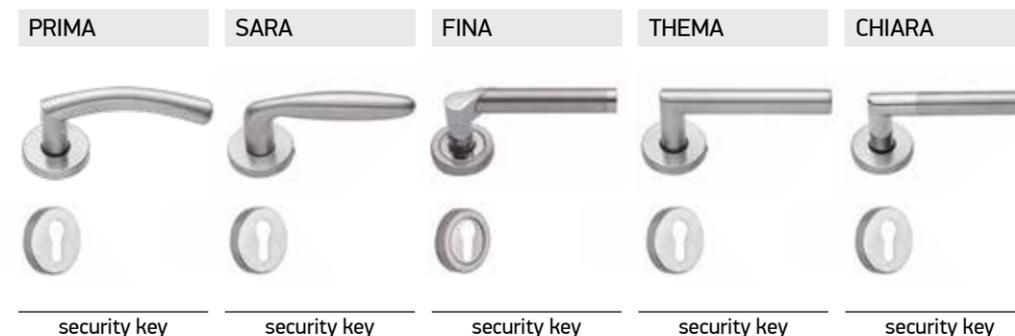
This latest generation automatic locking from Winkhaus is also available as a motorised locking system in the EAV3 model with control through potential-free contacts, as a remote control, with fingerprint (or iris) recognition, through a smartphone, radio or other systems.

## MODULAR SYSTEM FOR EMERGENCY EXIT DOORS

- The anti-panic series PHA 2000 is available in stainless steel and a standard palette;
- Compliance with EN1125;
- Reliable security;
- The safety locking bolt ensures full protection from unauthorised entry from the outside;
- Single- or three-point locking is available for single doors and three- or four-point locking is available for double doors;

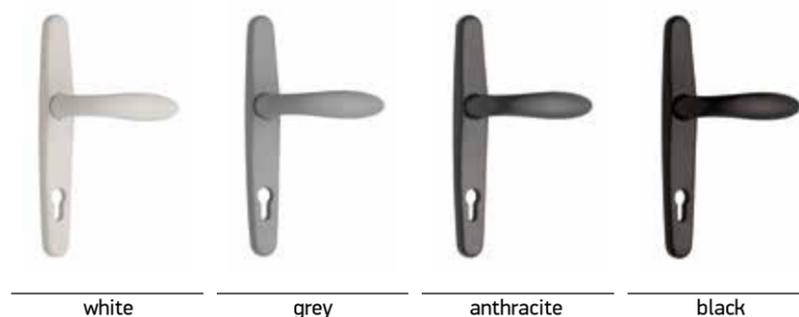


## HANDLES FOR PVC 130 MM AND SOLID WOOD ENTRANCE DOORS

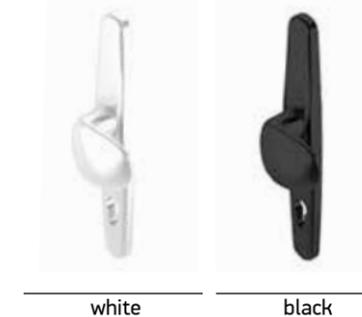


## HANDLES FOR AL AND PVC 106 MM ENTRANCE DOORS

STUBLINA lock plate for entrance doors:



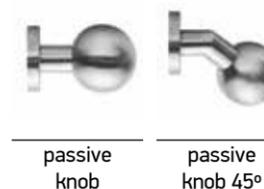
STUBLINA pad handle:



Lock plate:



Knobs:





TUBE HANDLES FOR AL, PVC 130 mm, PVC 104 mm ENTRANCE DOORS

Tube handles



cranked INOX

cranked white

cranked black

triple bend INOX

semi-circle INOX



Lock mechanism with hooks for entrance doors



straight 45° INOX, available length from 40 cm to 180 cm

straight INOX, available length from 40 cm to 180 cm

heart-shaped white

heart-shaped black



Spring loaded stop matte

HINGES



Hinge for a PVC entrance door, black

Hinge for a PVC entrance door, white

Aluminium entrance door hinge

Wooden entrance door hinge

Hinge for solid wood doors

CLOSERS



Overhead closer for entrance doors, black

Overhead closer for entrance doors, white

Door viewer

# GLASS SYSTEMS

BALCONY GLAZING

PARTITIONS

SHOWER BOOTH

GLASS SYSTEMS ARE AN ESPECIALLY GOOD SOLUTION FOR:

- Balcony glazing
- Partitioning large commercial areas and business offices
- Separating wet rooms from dry rooms
- Partitioning in stores and bathrooms

The main advantage to all types of glass systems is that they save space.





#### AN INNOVATIVE SOLUTION FOR THE EXTERIOR OF YOUR HOME

Featuring 8 mm tempered glass, profileless vertical opening and aluminium profiles sliding along rails. Stacking to the left or right is available. Using this type of glazing system allows for maximum access of sunlight into the room.



#### AN INNOVATIVE SOLUTION FOR PARTITIONING STORES AND OFFICES

Implemented with tinted or tempered (transparent or textured) glass. They have practical applications in partitioning large office buildings, stores, bathrooms, etc.

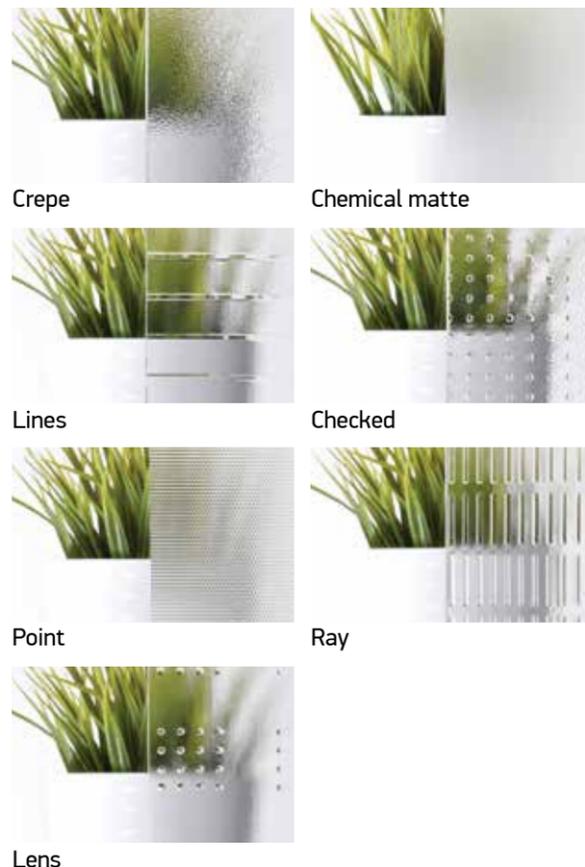


**BATHROOM PARTITIONS**

Shower booth can be constructed with dimensions and shapes according to your specifications. They are a practical way of separating dry space from wet space.



**GLASS PANES**



**TIMELESS GLASS**

Featuring a high degree of transparency and a neutral look, TIMELESS is made of clear glass, PLANICLEAR, with an invisible protective coating laid on top. This makes TIMELESS ultra-transparent and it has no effect on the perception of the interior colours, regardless of its thickness.

**ANTI-CORROSION PROTECTION FOR LONG-TERM TRANSPARENCY:**

Day after day, the glass is protected against corrosion, preventing white stains and maintaining its flawless appearance for longer.

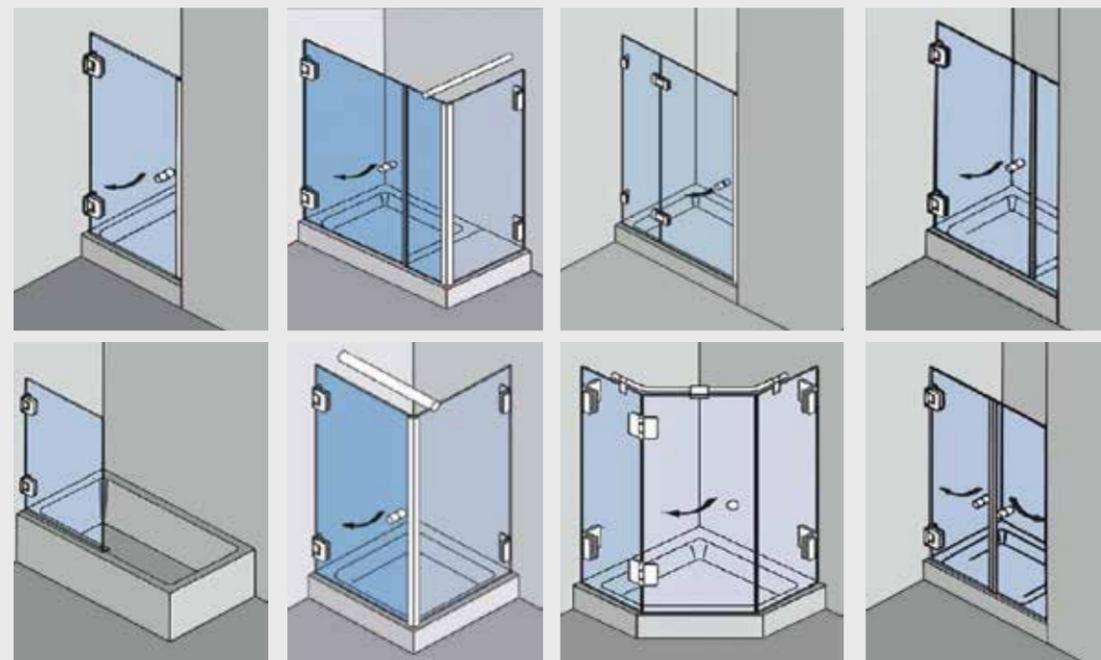
**AN EASIER GLASS TO CLEAN:**

Water slides down the surface effortlessly, reducing scale deposits and dirt residue. Any deposits can be cleaned a lot more easily than usual, untreated glass.

**HIGH RESISTANCE COATING:**

The exceptional qualities of TIMELESS glass are due to its fine coating. It is exceptionally resistant and any further industrial treatment of the glass will not diminish its properties.

**SCHEMES SHOWER BOOTH**



Constructed from 8 mm tempered glass, texture glass or special-coating glass, in order to prevent the occurrence of limestone stains, soap stains, etc.

The hardware includes: handles, hinges, mounts, aluminium profiles, silicone seals. Different implementation plans for the construction of shower booth depending on the specific task.

**PLANS FOR SLIDING SHOWER BOOTH**



**HINGES**



Shower booth hinge Shower booth hinge Shower booth hinge Shower booth hinge

**HANDLES**



Shower booth handle

**MOUNTS**



Telescopic mount 270 mm – 450 mm



Pipe mount for glass, external



Pipe mount for wall

# INTERIOR DOORS

WOOD

WOOD WITH GLASS

ALUMINIUM

ALUMINIUM WITH GLASS

PVC

Interior doors do more than just separate one room from another. They are a significant component of a home's interior design. The doors must be resistant to temperature and humidity fluctuations, they must be well sealed between the sash and the frame and they must ensure good soundproofing. We can offer you a selection and various combinations of different materials.



MODELS **PORTALIT** / WESTALACK, ECONOMY AND UNIVERSAL



WE 716 (Wenge)



LA-1



LA-1D



LA-1B



LA-DIN



LA-100



LA-40



LA-3



LA-3D



LA-3H



LA-3Q



LA-KR Portalit

WESTALACK colours



ES 242  
White Ash



AH 74  
Rustic Maple



BU 88  
Oak Flader



EIP 356  
Italian Oak



WE 716  
Wenge



RAL 9010  
White finish



NU 736  
Walnut

ECONOMY colours



RAL 9010  
White finish



Snow White  
Oak



Noble Walnut



Black Oak



Tenero

LA-DIN type 3

MODELS **PORTALIT / WESTALACK**



\*LA-1 type 1.1   \*LA-DIN type 1   \*LA-DIN type 3   \*LA-DIN type 5   Type 1103   Type 1104



Type 2001   \*Type 2002   \*Type 2004   \*Type 2002-LA   Type 2001-LA   \*Type 2004-LA

Legend: \* by individual order

The models are available with decorative bars only for the following dimensions of the sash:

860 mm and 770 mm  
by custom order for the colours Rustic Maple, Oak Flader, White Finish and White Ash.

MODELS **UNIVERSAL**



Available models

The UNIVERSAL models can be implemented with the following dimensions of the sash:

670 mm   770mm   870 mm

MODELS **PROVANCE / WESTALACK**



Type 4001-LA   Type 4002   \*Type 4002-LA Trellis 3   \*Type 4001-LA Trellis 1   \*Type 4002-LA Trellis 4   Type 4002-LA

Legend: \*by individual order

The PROVANCE models are only available in white

The models Type 4002, Type 4001-LA, Type 4002-LA Trellis 1, Type 4002-LA Trellis 4 are available with decorative bars only for the following dimensions of the sash:

860 mm	750 mm
770 mm	Only for models 4001-LA and 4001-LA Trellis 1

MODELS **PORTALIT / WESTALACK, ECONOMY AND UNIVERSAL**



2M   3M   4M   2HM   DM

The models 2M, 3M, 4M, 2HM and DM can be implemented with the following dimensions of the sash:

570 mm	860 mm	770 mm	670 mm	For Portalit / Westalack
950 mm	870 mm	770 mm	670 mm	For Economy and Universal

MODELS **PORTALIT** AND **PROVANCE** / **WESTALACK**

CHARACTERISTICS

- Specially made for Rollplast by the German company Westag B Getalit;
- A collection of over 20 door models was selected and the models are kept in stock in 7 different shades

MAIN COMPONENTS:

- The screen is made of perforated (tubular) fibreboard for the PORTALIT models with a width of 40 mm and melamine coating, featuring rounded edges. For the PROVANCE/WESTALACK models the screen is made of HDF.
- Optional automatic removable sealing and ventilation grid.
- Moisture resistance (made using water-resistant adhesive V100);
- Trimming is possible for a height of up to 100 mm;
- Weight of a screen sized 860/1985 – 29 kg;
- The laminated finish is achieved using the high-pressure method HPS.

HARDWARE

- Three lock versions are available – with a regular key, with a security key or with a bathroom locking mechanism. The hinges are two-part adjustable Simons V3420.

ADVANTAGES OF THE MATERIAL:

- Shock resistance;
- Torsion resistance;
- Good soundproofing – Rw = 27 dB

Rough opening and jamb width for **PROVANCE** doors

H	W																																									
	660 mm	670 mm	680 mm	690 mm	700 mm	710 mm	720 mm	730 mm	from 740 to 760 mm	770 mm	780 mm	790 mm	800 mm	810 mm	820 mm	830 mm	from 840 to 870 mm	880 mm	890 mm	900 mm	910 mm	920 mm	930 mm	940 mm	950 mm																	
2035 mm	Sash 650 mm rough opening after installation 612 mm														Sash 770 mm rough opening after installation 732 mm														Sash 860 mm rough opening after installation 822 mm													
2030 mm																																										
2020 mm																																										
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1920 mm																																										
1910 mm																																										
1900 mm																																										

Jamb width for **PROVANCE** and **PORTALIT** frames

frame size	jamb width
Frame 65 mm	from 65 mm to 79 mm
Frame 85 mm	from 85 mm to 99 mm
Frame 100 mm	from 100 mm to 119 mm
Frame 125 mm	from 125 mm to 139 mm
Frame 145 mm	from 145 mm to 159 mm
Frame 165 mm	from 165 mm to 179 mm
Frame 185 mm	from 185 mm to 199 mm
Frame 205 mm	from 205 mm to 219 mm
Frame 240 mm	from 240 mm to 254 mm
Frame 290 mm	from 290 mm to 304 mm
Frame 310 mm	from 310 mm to 324 mm
two frames	over 324 mm

Rough opening and jamb width for **PORTALIT** doors

H	W																																																							
	580 mm	590 mm	600 mm	610 mm	620 mm	630 mm	640 mm	650 mm	from 660 to 680 mm	690 mm	700 mm	710 mm	720 mm	730 mm	740 mm	750 mm	from 760 to 780 mm	790 mm	800 mm	810 mm	820 mm	830 mm	840 mm	850 mm	from 860 to 870 mm	880 mm	890 mm	900 mm	910 mm	920 mm	930 mm	940 mm	950 mm	960 mm																						
2035 mm	Sash 570 mm rough opening after installation 532 mm														Sash 670 mm rough opening after installation 632 mm														Sash 770 mm rough opening after installation 732 mm														Sash 860 mm rough opening after installation 822 mm													
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**ECONOMY** MODELS

CHARACTERISTICS

- A collection of 16 door models was selected and the models are kept in stock in 4 different shades;
- Fast delivery for out-of-stock orders.

MAIN COMPONENTS:

- Screen – made of cell-filling (honeycomb core) HDF with a width of 40 mm and decorative film with wood-imitation, ST profile (rabbet above the sill).
- Optional automatic removable sealing and ventilation grid.

HARDWARE

- Three lock versions are available – with a regular key, with a security key or with a bathroom locking mechanism
- The hinges are two-part adjustable Simons V3420.

Jamb width for **ECONOMY AND UNIVERSAL** frames

frame size	jamb width
Frame 80 mm	from 80 to 99 mm
Frame 100 mm	from 100 to 199 mm
Frame 120 mm	from 120 to 159 mm
Frame 160 mm	from 160 to 199 mm
Frame 200 mm	from 200 to 239 mm
Frame 240 mm	from 240 to 279 mm
Frame 280 mm	from 280 to 319 mm
Frame 320 mm	from 320 to 360 mm

**UNIVERSAL** MODELS

CHARACTERISTICS

- Screen made of bare MDF, with 2 boards of 6 mm, edged on three sides, with a width of 45 mm;
- frame and sill made of bare MDF;
- Models – standard 16;
- Milling according to an individual project available with advance inquiries;
- Colours – painting in RAL colours.
- The models can cover rough openings with a height of up to 2,150 mm.

Rough opening and jamb width for **ECONOMY AND UNIVERSAL** doors

H	W																																																							
	670 mm	680 mm	690 mm	700 mm	710 mm	720 mm	730 mm	740 mm	750 mm	760 mm	770 mm	780 mm	790 mm	800 mm	810 mm	820 mm	830 mm	840 mm	850 mm	860 mm	870 mm	880 mm	890 mm	900 mm	910 mm	920 mm	930 mm	940 mm	950 mm	960 mm	970 mm	980 mm	990 mm	1000 mm	1010 mm	1020 mm	1030 mm	1040 mm	1050 mm	1060 mm	1070 mm															
2150 mm*	Sash 670 mm rough opening after installation 625 mm														Sash 770 mm rough opening after installation 725 mm														Sash 870 mm rough opening after installation 825 mm														Sash 950 mm rough opening after installation 905 mm													
2100 mm*																																																								
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\*The fields marked in grey refer to Universal interior doors

**SOLID WOOD INTERIOR DOORS**



WOODEN PROFILE PALETTE

Ash T5501 + T5701	Ash T5503 + T5704	Ash T5504 + T5705	Ash T5504 + T5709	Ash 615329016 + 660319016	Ash RAL 9001
Oak T5501 + T5701	Oak T5503 + T5704	Oak T5504 + T5705	Oak T5504 + T5709	Oak 615329016 + 660319016	Oak RAL 6009
Spruce T5501 + T5701	Spruce T5501 + T5701	Spruce T5504 + T5705	Spruce T5504 + T5709	Spruce 615329016 + 660319016	Spruce RAL 9016
Meranti T5501 + T5701	Meranti T5503 + T5704	Meranti T5504 + T5705	Meranti T5504 + T5709	Meranti 615329016 + 660319016	Meranti RAL 7016

**IMPORTANT**

Orders for solid wood doors must always contain customer specifications as to which colour and wood profile number by catalogue is to be implemented.

# INTERIOR DOORS:

ALUMINIUM

ALUMINIUM WITH GLASS

WOOD WITH GLASS

PVC

Internal doors can be made of PVC, aluminium or glass. The padding can be made of thermopanel, fibreboards or single-pane glass. The variety of colours and wood patterns is wide and it offers suitable options for diverse interior solutions.

PVC, ALUMINIUM, ALUMINIUM WITH GLASS and WOOD WITH GLASS

## GLASS DOORS

FOR ALUMINIUM FRAME MODELS

- The models are made of 8 mm tempered glass which can also feature a texture designed by the customer;
- Glass door frames (as well as solid wood – wood or metal).

FOR WOOD FRAME MODELS

You can see the available wood frame sizes on:

- page 78 for PROVANCE and PORTALIT
- page 79 for ECONOMY



## PVC DOORS

- Manufactured from a PVC TROCAL system 70 mm and TROCAL 76;
- Colour diversity – a selection of catalogue colours with the option of one-sided (interior or exterior) or two-sided laminate;
- A wide variety of textured glass;

## ALUMINIUM DOORS

- Made of AL systems ROLLPLAST ECONOMY and ETEM E-1000 without a thermal break;
- Colour diversity – a selection of RAL colours and laminates in wood patterns;
- A wide variety of textured glass;
- Options for fibreboard filling, thermopanel or mirrors;



FOR GLASS AND INTERIOR DOORS



Crepe

Ray

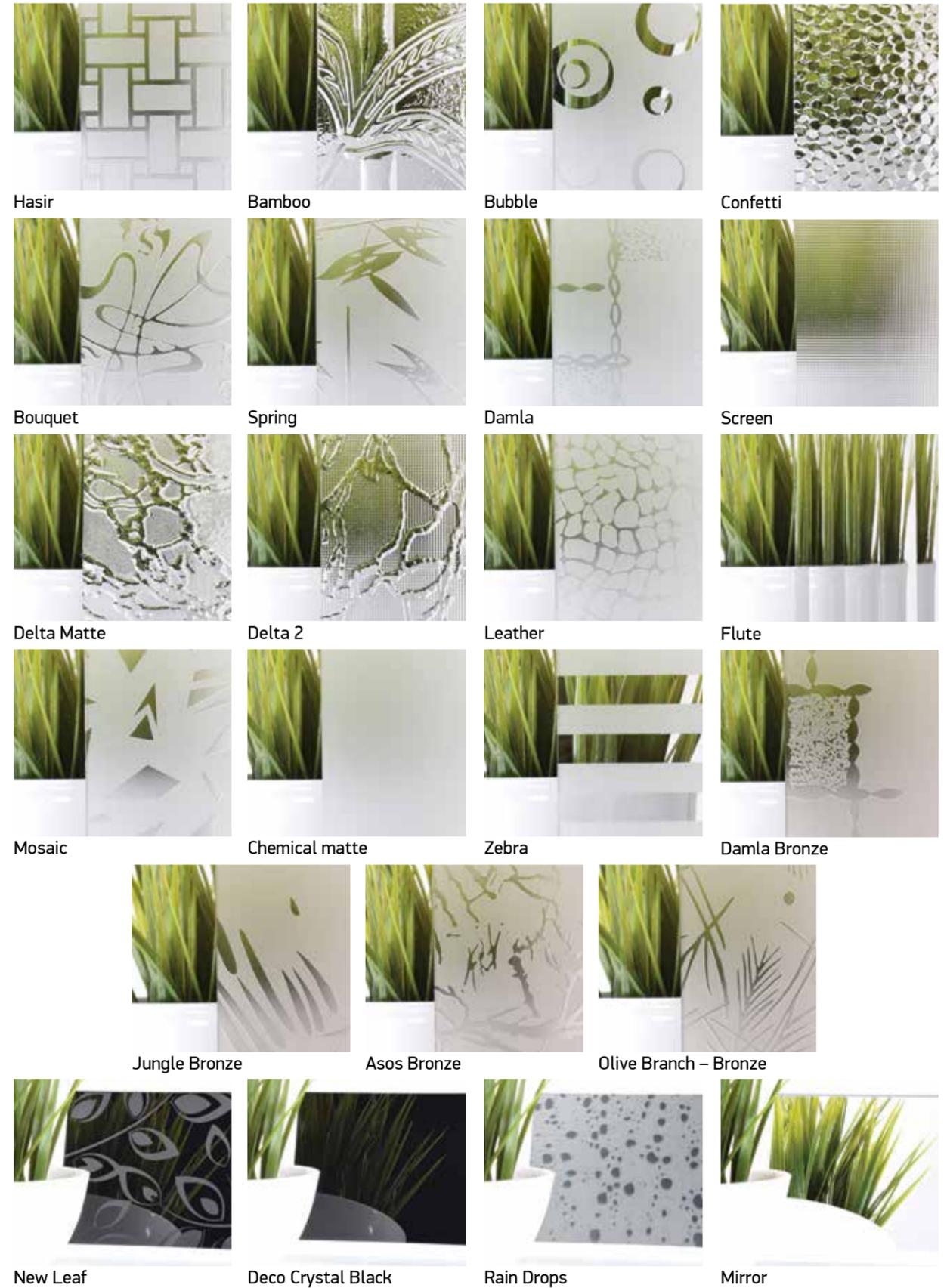
LENS

LINES

Checked

Point

FOR WOOD, ALUMINIUM AND PVC INTERIOR DOORS



Hasir

Bamboo

Bubble

Confetti

Bouquet

Spring

Damla

Screen

Delta Matte

Delta 2

Leather

Flute

Mosaic

Chemical matte

Zebra

Damla Bronze

Jungle Bronze

Asos Bronze

Olive Branch - Bronze

New Leaf

Deco Crystal Black

Rain Drops

Mirror

HARDWARE AND HANDLES

HANDLES FOR WOODEN INTERIOR DOORS

PRIMA with a rosette for:



regular key    security key    bathroom

SARA with a rosette for:



regular key    security key    bathroom

FINA with a rosette for:



security key    bathroom

CHIARA with a rosette for:



security key    bathroom

THEMA with a rosette for:



regular key    security key    bathroom



spring loaded stop matte

HANDLES FOR ALUMINIUM INTERIOR DOORS  
white, black and RAL by custom order



with a rosette for a cylinder cartridge, white    with a rosette for a cylinder cartridge, black    passive knob, black or white

HANDLES FOR GLASS INTERIOR DOORS

PRIMA



THEMA



QUADRA



HARDWARE AND HANDLES

LOCKS FOR GLASS INTERIOR DOORS



Oval lock mechanism for a glass interior door, without a keyhole



Oval lock mechanism for a glass interior door, without a keyhole



Rectangular lock mechanism for a glass interior door, without a keyhole



Rectangular lock mechanism for a glass interior door, without a keyhole

HINGES FOR GLASS INTERIOR DOORS



Square hinge for a glass interior door



Oval hinge for a glass interior door



Oval hinge for a glass interior door



# EXTERNAL ROLLER SHUTTERS AND VENETIAN BLINDS. SHUTTERS

Exterior roller shutters, PVC and wooden shutters complement the window, giving it functional integrity.

The benefits for you:

- Reliable solar protection;
- Cooler rooms in the summer;
- Additional thermal insulation in the winter;
- Soundproofing;
- Protection against prying eyes;
- Additional security;
- A more aesthetic façade for your home;
- You will rediscover individuality in the exterior of your home;

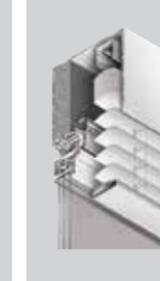
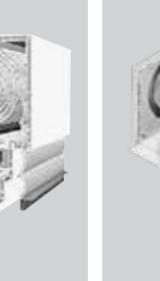


FRONT MOUNTING MODELS

MATERIAL	PVC	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
MODEL	PRIMA	MINI	MINI OVAL	MAXI	INTEGRO MINI/MAXI	EXTERNAL VENETIAN BLIND
						
TYPE OF INSTALLATION	front mounting/ external	front mounting/ external	front mounting/ external	front mounting/ external	front mounting/ external	front mounting/ external
Slat	PVC slat 37 mm	AL slat 39 mm	AL slat 39 mm	AL slat 52 mm	AL slat 39 mm / 52 mm	Z 90
COLOURS IN STOCK (slat)	White	White, ivory, silver, brown 8014, dark brown 8019, anthracite, golden oak, dark oak, walnut and sapele	White, ivory, silver, brown 8014, dark brown 8019, anthracite, golden oak, dark oak, walnut and sapele	White, silver, brown 8014, golden oak, walnut	for a 39 mm slat: White, ivory, silver, brown 8014, dark brown 8019, anthracite, golden oak, dark oak, walnut and sapele for a 52 mm slat: White, silver, brown 8014, golden oak, walnut	White, bronze, RAL 9015, 9006, 7035, 8014, 7016, 9007, 6005, 3005
COLOURS REQUIRING PRE-ORDER WITH AN IMPLEMENTATION PERIOD OF 4 WEEKS		Grey, light beige, dark beige, burgundy, green	Grey, light beige, dark beige, burgundy, green	Anthracite, ivory	for a 39 mm slat: Grey, light beige, dark beige, burgundy, green for a 52 mm slat: Anthracite, ivory	
TYPE OF BOX	AL box 45°	AL box 45°	AL box, oval	AL box 45°	AL box 90°	Raw aluminium
COLOURS IN STOCK (box)	White, brown 8014, walnut, golden oak, sapele and paint options in all RAL colours	White, brown 8014, walnut, golden oak, sapele and paint options in all RAL colours	White, brown 8014 and paint options in all RAL colours	White, brown 8014, walnut, golden oak and paint options in all RAL colours		White, RENOLIT colours and painting in RAL colours
BOX SIZE (cm)	137/ 150/ 165/ 180/ 205	137/ 150/ 165/ 180/ 205	150 /180	150/ 165/ 180/ 205/250	137/ 165/ 180/ 205	
CORD LOCK	AL guide rail	AL guide rail	AL guide rail	AL guide rail	AL guide rail	AL guide rail
LAST SLAT	AL last slat	AL last slat	AL last slat	AL last slat	AL last slat	AL last slat
ADDITIONAL BENEFITS	built-in insect screen	built-in insect screen	built-in insect screen		for a 39 mm slat: built-in insect screen for a 52 mm slat: no built-in insect screen	
MAXIMUM AREA	4 sq.m.	6 sq.m	6 sq.m	8 sq.m	6 sq.m	16 sq.m
OPERATION	manual control crank operated motorised	manual control crank operated motorised	manual control crank operated motorised	manual control crank operated motorised	manual control crank operated motorised	crank operated motorised

NOTE: Shutters with aluminium slats are made with stoppers which prevent any displacement.

BUILT-IN MODELS

BUILT-IN SHUTTERS ROLLPLAST "BASIC"	EXTERNAL BUILT-IN VENETIAN BLIND	PVC ALUMINIUM RELAX	BUILT-IN TROCAL SHUTTERS	BUILT-IN TROCAL SHUTTERS WITH CONCEALED INSTALLATION	ALUMINIUM THERMAL SHUTTERS
					
built-in	built-in	built-in	built-in	built-in	built-in
AL slat 39 mm PVC slat 37 mm	Z 90	PVC slat 37 mm AL slat 39 mm	AL slat 39 mm	AL slat 39 mm	AL slat 39 mm
White, ivory, silver, brown 8014, dark brown 8019, anthracite, golden oak, dark oak, walnut and mahogany	White, bronze, RAL 9015, 9006, 7035, 8014, 7016, 9007, 6005, 3005	PVC – White AL – White, ivory, silver, brown 8014, dark brown 8019, anthracite, golden oak, dark oak, walnut and sapele	White, ivory, silver, brown 8014, dark brown 8019, dark oak, walnut and sapele	White, ivory, silver, brown 8014, dark brown 8019, dark oak, walnut and sapele	White, ivory, light beige, dark beige, silver, brown 8014, dark brown 8019, dark oak, walnut and sapele
Grey, light beige, dark beige, burgundy, green		Grey, light beige, dark beige, burgundy, green	Grey, light beige, dark beige, burgundy, green	Grey, light beige, dark beige, burgundy, green	Grey, light beige, dark beige, burgundy, green
PVC box 90°	PVC box 90°	PVC box 90°	PVC box 90°	PVC box 90°	AL box 90°
White	White and RENOLIT colours	White, golden oak, walnut, sapele and anthracite	White, golden oak, dark oak, walnut by custom order: walnut, sapele and anthracite	White, golden oak, dark oak, walnut by custom order: walnut, sapele and anthracite and RENOLIT colours	White paint options in all RAL colours
203 / 203, 170 / 170	240 / 250	160 / 200	175/218, 205/218, 205/240	250 / 240	180 / 200
L-shaped guide rail with a flush fin	AL guide rail	PVC guide rail	PVC guide rail	PVC guide rail	AL guide rail
AL last slat	AL last slat	AL last slat	AL last slat	AL last slat	AL last slat
possible additional installation of an insect screen				available with or without a built-in insect screen	
6 sq.m	6,5 sq.m	PVC - 3 sq.m AL - 6 sq.m	6,5 sq.m	6 sq.m	6,5 sq.m
manual control crank operated motorised	crank operated motorised	manual control crank operated motorised	manual control crank operated motorised	manual control crank operated motorised	manual control crank operated motorised



# VENETIAN BLINDS



## EXTERNAL VENETIAN BLIND Z90 CHARACTERISTICS AND ADVANTAGES

- Modern design
- Excellent shading
- A variety of colours
- Option for adjusting the sunlight
- Available with manual (crank) or motorised operation

The slats are made from an aluminium sheet with a thickness of 40 microns and a width of 90 mm. The Z shape ensures complete shading and the rubber sealing which is placed on each slat during manufacturing ensures additional thermal insulation.

### Slats Z90



The operation of the slats is implemented in an aluminium U-shaped 20 mm guide rail through riveted metal elements.

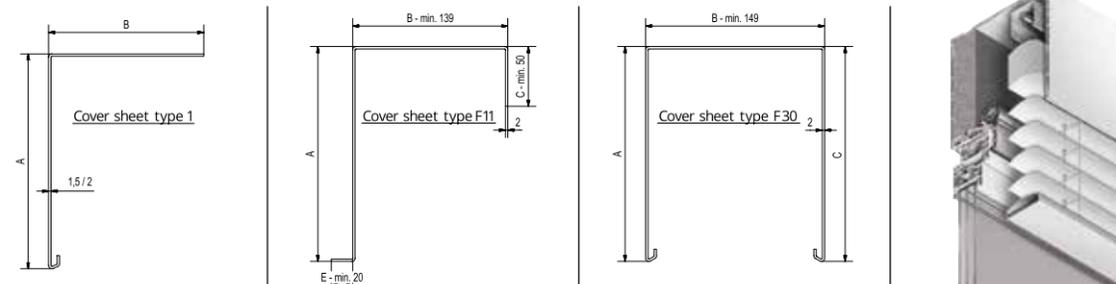
They can be operated manually using a crank or automatically with a motor.



### BOXES

Rollplast offers 2 installation options – built-in and outside-mount. In the built-in option, the slat blinds are built into a PVC box with insulation and a width of 240 mm.

The outside-mount is implemented in front of the window and here the box is an additional decorative element. We offer the following shapes with sizes depending on the height of the blind.



## EXTERNAL VENETIAN BLINDS

External Venetian blinds are an enticing alternative to roller blinds. They are an innovative system for external shading which regulates the flow of light and heat. Aluminium slats reflect sunlight which actively reduces the heating of rooms through sunlight by up to 75%. The discrete design, the thermal insulation properties and functionality make them a preferred component in the energy efficiency concept of modern office, commercial, residential, industrial and administrative buildings.

PVC SHUTTERS

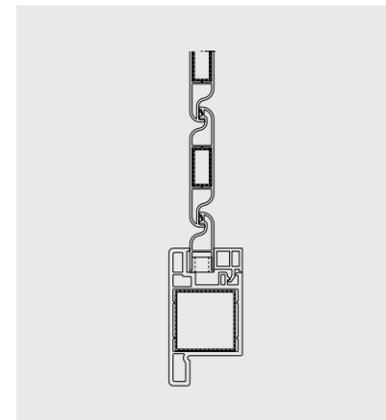
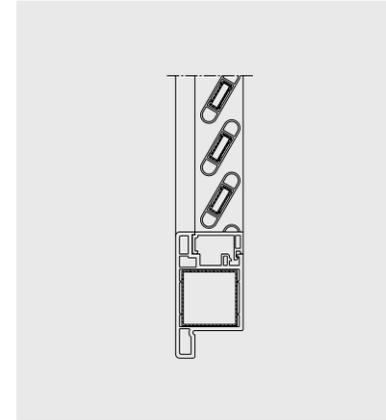
THEY PROTECT WINDOWS FROM ATMOSPHERIC INFLUENCES, WHILE ALSO GIVING THE FAÇADE AN INDIVIDUAL STYLE.



AVAILABLE IN TWO VERSIONS DEPENDING ON THE MATERIAL:

**Shutters from PVC profiles with the option of fixed or mobile slats:**

- In stock in white, golden oak and walnut;
- Optional manufacture in catalogue colours for pre-orders;
- They can be mounted on the wall or to the window frame via flush fin frame (no plastering necessary), a frame without a fin or mounted without a frame directly on the window;
- Each profile features steel profiles for improved toughness;
- The hardware features special anti-corrosion coating;



WOODEN SHUTTERS

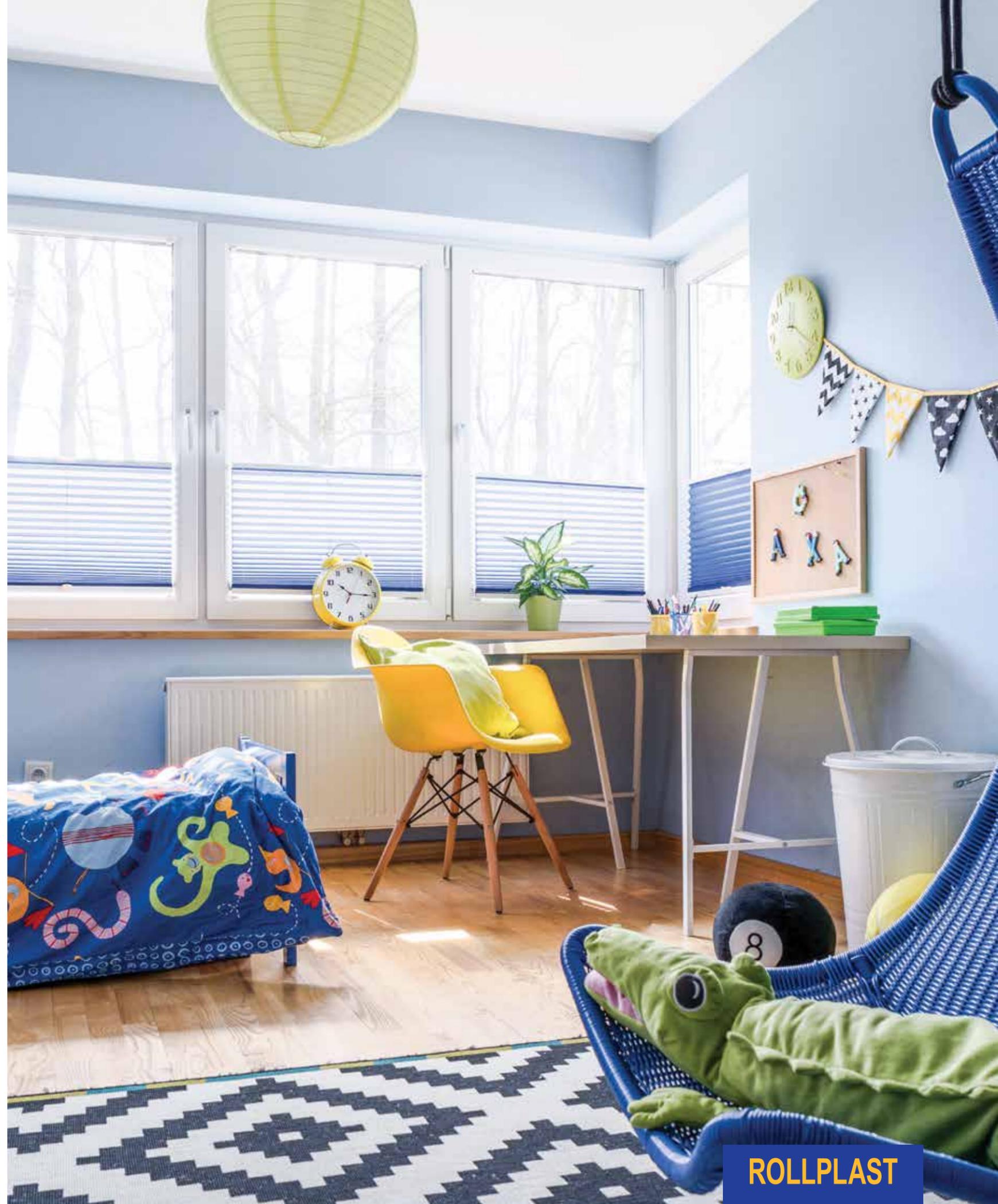


WOODEN SHUTTERS with fixed or mobile blinds (available in a range of colours at the customer's choice).

Ash T5501 + T5701	Ash T5503 + T5704	Ash T5504 + T5705	Ash T5504 + T5709	Ash 615329016 + 660319016	Ash RAL 9001
Oak T5501 + T5701	Oak T5503 + T5704	Oak T5504 + T5705	Oak T5504 + T5709	Oak 615329016 + 660319016	Oak RAL 6009
Spruce T5501 + T5701	Spruce T5501 + T5701	Spruce T5504 + T5705	Spruce T5504 + T5709	Spruce 615329016 + 660319016	Spruce RAL 9016
Meranti T5501 + T5701	Meranti T5503 + T5704	Meranti T5504 + T5705	Meranti T5504 + T5709	Meranti 615329016 + 660319016	Meranti RAL 7016

# INTERIOR BLINDS

Interior blinds are very practical and they add elegance and harmony to every room. Their vast product range, the numerous mounting possibilities and the practically endless range of colours and patterns make them a universal means of solar protection.





ROLL-UP BLINDS

Roll-up blinds are elegant, stylish and they reflect the trends in modern home furnishing. They are made of 100% polyester fabric, polyester and PVC or fibreglass. The Day and Night version is becoming increasingly popular, where the fabric combines a dense part and a transparent mesh part whose overlapping can provide a full blackout or an abundance of light. There is an infinite range of patterns, a variety of operation mechanisms and numerous installation options – for ceilings, walls or windows.

**AUTOMATION OF ROLL-UP BLINDS**

*Two options are available: remote control motor for a Ø 47 tube or a remote control motor with a built-in lithium battery for a Ø 28 tube, where charging is done via a charger. The battery is fully charged within 6 hours if used 4 times a day, which is approximately 6 months. We offer 0.7 and 1.1 Nm and operation at 8 V. Optional use for the Standard, Comfort and Motifs models.*

**ROLL-UP BLIND MODELS** are divided in 3 main groups. Standard roll-up models, Day and Night models and models featuring both options.

**MODELS AVAILABLE WITH STANDARD FABRIC**

**“STANDARD” MODEL**  
(without the box or guide rails)

Optional installation on a ceiling, wall or window. The aluminium and plastic elements within the blinds are available in white or brown.



**ROLL-UP BLINDS “SPRING”**

Loaded spring mechanism. Installation on a ceiling or wall. Available in white. It provides security and is a preferred model for nurseries and children’s rooms.



**MODELS AVAILABLE ONLY IN THE DAY AND NIGHT VERSION**

**DAY AND NIGHT “LUX”**

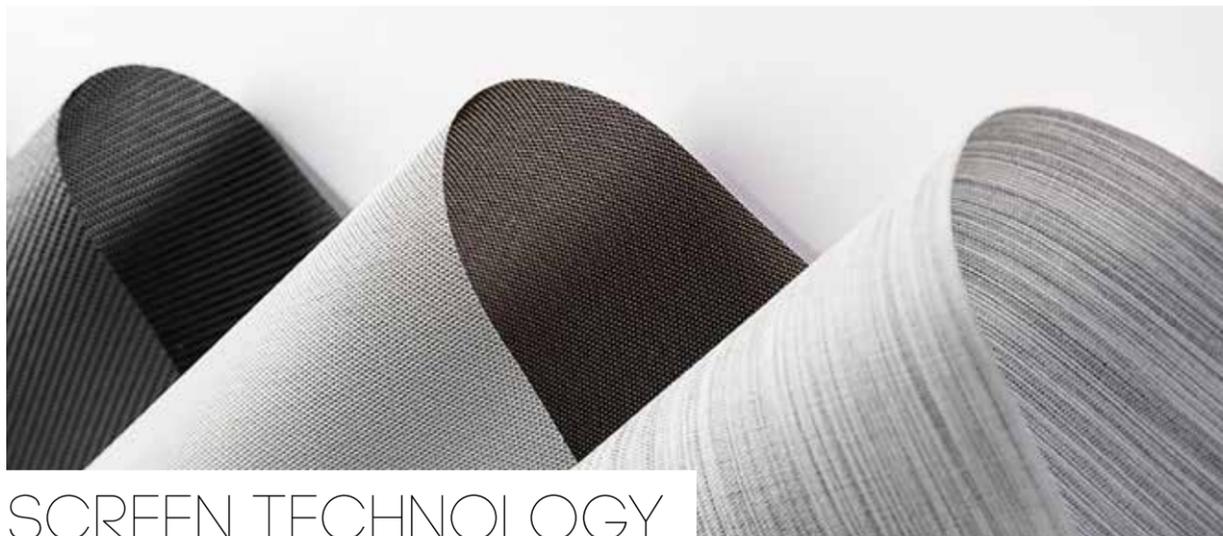
Optional installation on a ceiling, wall or window. Incredibly stylish and elegant. Aluminium elements available only in white.



**“FANTASY” MODEL**

Blinds with a contemporary design and honeycomb type fabric, which can be used to regulate the degree of lighting. Available in 2 versions – with the Standard roll-up blind mechanism and the Day and Night Lux.





SCREEN TECHNOLOGY

The new trends in the field of solar protection are directed towards the screen and black out fabrics whose characteristics make them a benchmark in terms of standards in Western Europe. The blinds are designed in a way which ensures maximum UV protection, while also allowing for the filtration of sunlight. Blinds with screen fabrics allow for the penetration of light and the absorption of heat. They reduce the transfer of heat through the windows by reducing the solar heat in the room and block the harmful ultraviolet rays.

Our collection Nate 380 has a transmittance coefficient of 5%, which means that the screen fabric blocks 95% of the UV rays. It consists of 36% fibreglass and 64% polyester.

ADVANTAGES

- 5-year warranty from the manufacturer
- Comfort
- Easy to maintain
- Energy saving
- Anti-bacterial
- Inflammable
- A selection of modern and designer colours

This special poly natural fabric has a weave structure providing visibility from the inside, but not into the room. The sunscreens are frequently used in offices, stores, restaurants or any room where light could be a problem.

MODELS – DAY AND NIGHT VERSION AND STANDARD ROLL-UP

“MOTIFS” MODEL

(with a box, but no guide rails)

Available for installation on a wall or ceiling. Available in two implementation options – Day and Night and with regular fabric as the Comfort model. Available in white and golden oak for the full equipment. Motorised operation optional.



“MINI” MODEL

Elegant operation which offers installation of the opening parts using Z-shaped plates (there is no drilling into the window). Side guide-railing optional. The AL and PVC elements of the blind are available in white, brown 8014 and brown 8003. Implementation in the Day and Night version optional.



“MAXI” MODEL

Suitable for dimensions of up to 9 m2 and installation on the wall or ceiling. Implementation in the Day and Night version with motorised operation optional.



“ELEGANT” MODEL

(with a box and guide rails)

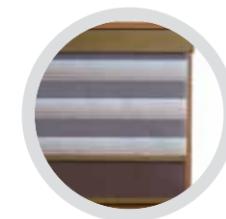
Suitable for installation on Tilt and Turn sashes. The aluminium elements are available in white, brown 8017, golden oak, walnut, sapele and mountain pine (by custom order). Implementation in the Day and Night version optional.



“DUET” MODEL

(With a rectangular box, no guide rails)

Suitable for installation on a ceiling or wall. The aluminium elements are available in white and RAL colours. It consists of two different fabrics – a regular-density one and a more transparent one. Implementation in the Day and Night version optional.



“PREMIUM” MODEL

(with a box, no guide rails)

Available in versions with regular fabric and Day and Night. The model features a square box with dimensions 73/76 mm and it is perfect for new trends which include a discrete design and straight shapes. Available in white, RAL colours. Installation of an electric motor optional.



“SILHOUETTE” MODEL

Available in versions with regular fabric and Day and Night. The model features an aluminium box with dimensions 110/101.5 mm and it is perfect for the increasingly popular large-scale glazing. Available in white, RAL colours. Installation of an electric motor optional.





VERTICAL BLINDS

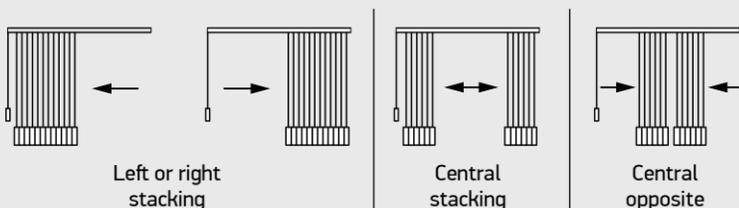
Vertical blinds are made of high-quality in a wide range of colours imported from leading countries in the production of tactile fabrics – Germany, Poland and Turkey. One of their defining characteristics is the fact that they can entirely replace curtains, they add a sense of completeness in the interior of your home or office and they have various degrees of transmittance, absorption and reflection of solar energy depending on the functional purpose the customer requires them to serve. Available with a width of the slat of 89 mm and 127 mm and over 350 shades if the fabric, as well as in the Day and Night version.

**VERTICAL BLINDS DAY AND NIGHT**

Designed in a way which combines two types of fabric. Transparent fabric which lets in light and a thick fabric which provides protection from light and privacy during the day.

**OPERATION PLANS:**

Depending on the specifics of the room and the surrounding interior, you can choose the operation method for the vertical blinds that suits you. They can be stacked smoothly on different sides depending on your preferences:

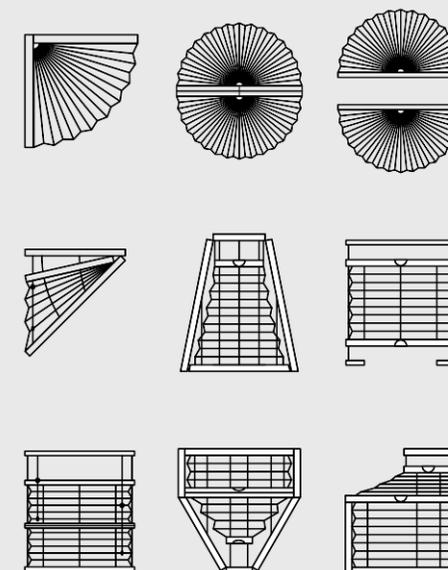


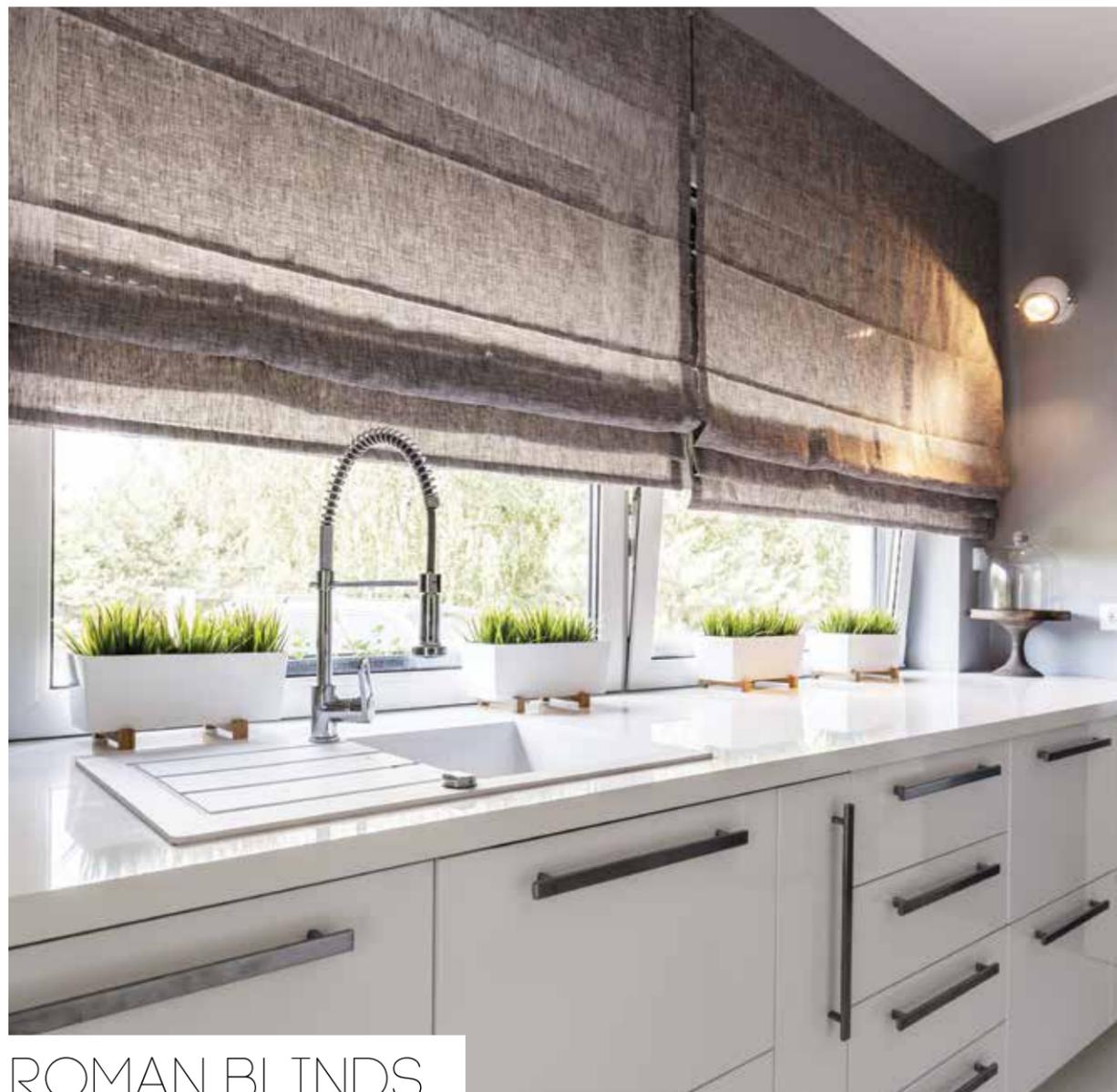
PLEATED BLINDS

Pleated blinds unify a unique design with the effective management of daylight and temperature:

- They provide protection from unwanted reflections of light;
- They can be implemented in unconventional shapes;
- They are made of antistatic material which does not retain dust;
- They are mounted on each separate sash, which allows for easy opening regardless of the position of the blind;
- It covers a minimum portion of the glass when stacked;
- The materials can be gossamer (for a purely decorative effect), thick (some light is transmitted, but no visibility) or fabrics with reflective coating (they reflect up to 70% of direct sunlight);
- The different operation options allow for movement of the blinds upward, downward or in both directions;
- The Pleated Day and Night Blinds system is available, which is a combination of two different fabrics with different levels of light transmittance and it is a practical and aesthetic solution for your home;

**OPERATION PLANS FOR UNCONVENTIONAL SHAPES**





ROMAN BLINDS

Roman blinds combine the comfort of tactile fabrics with the practicality of blinds. This original product is reminiscent of the Eastern spirit and it is suitable for every taste and interior. When the blinds are down, the fabric stands almost completely flat against the surface of the glass, and it is gathered in elegant folds when up.

- A modern alternative of curtains and draperies;
- The mechanism ensures an easy disassembly of the fabric for cleaning or replacement;
- Considered to be one of the most elegant and classic solutions;
- A wide range of fabrics;

*Available in a version with a remote control motor with an external battery containing a charger with 8 AA batteries (charged with a charger). Operates at 12V.*



THREE MODELS AVAILABLE

**“STYLE” MODEL**

The load-bearing beam and the mechanisms are suitable for direct installation on the window. The aluminium elements come in white and brown (eloxation). Operation is implemented through a cord. Optional implementation of the Day and Night model with two fabrics for different levels of light transmittance.



**“MAXI STYLE” MODEL**

Roman blind with a Hunter Douglas mechanism. Available installation on a ceiling or wall. Suitable for the manufacture of blinds with large dimensions – height and width of up to 3 m, with a maximum surface area of 9 m<sup>2</sup>. The beam comes in white. During installation, the fabric is glued to it using velcro and no portion of it is visible. Automation optional.



**“LUX” MODEL**

Installation on ceiling or wall. An elegant mechanism and an ideal option for the modern home. Operation is implemented through a ball chain. Available in white for the full equipment.





HORIZONTAL BLINDS

**ROLLPLAST ALUMINIUM HORIZONTAL BLINDS**

- Made of aluminium with a slat width of 25 mm and 16 mm;
- Wide range of colours;
- Equipped with reliable mechanisms and easy to clean;
- Adjustment of the degree of lighting through rotation of the slats;
- They are placed separately on each sash and stacking of the blind is not necessary for opening the respective sash;
- The “side guide railing” accessory prevents any swinging or bending of the slats during opening;

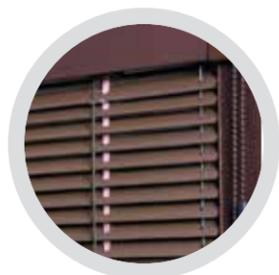
**FOUR MODELS AVAILABLE**

**MODEL  
“LUX”**



\*side guide railing

**MODEL  
“STYLE”**



\*side guide railing

**MODEL  
“COMFORT”**

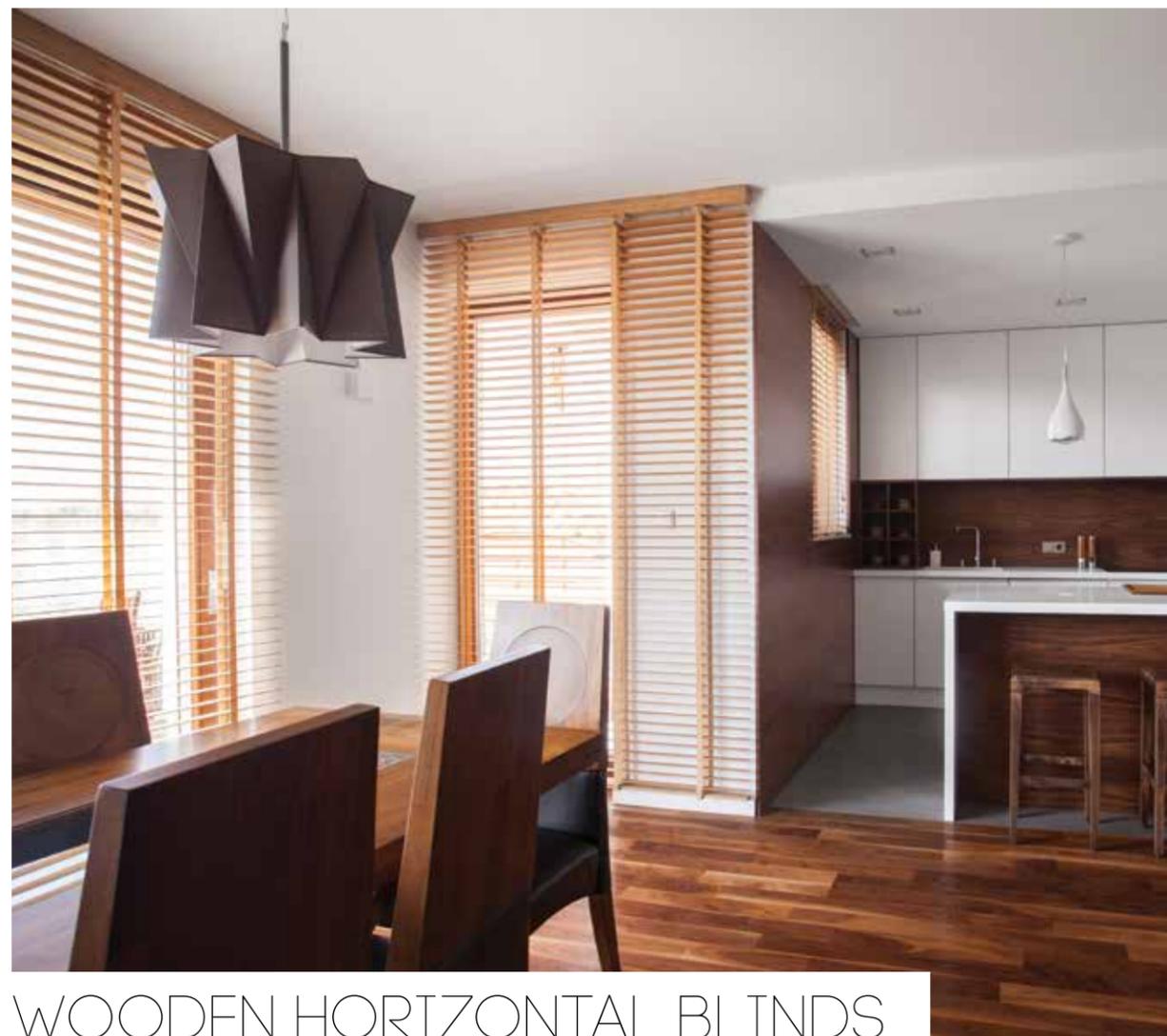


\*side guide railing

**MODEL  
“VISION”**



\*fittings



WOODEN HORIZONTAL BLINDS

In the changing modern day life, wooden horizontal blinds are used increasingly frequently in home décor. They add warmth and comfort to the ambiance of the room and are not only a functional, but a decorative product as well. They filter the harmful rays of the sun and maintain a cooler temperature in the room as compared to aluminium blinds and better insulation due to the wooden material.

MADE OF FULLY NATURAL MATERIALS – PAULOWNIA.

**50 MM**

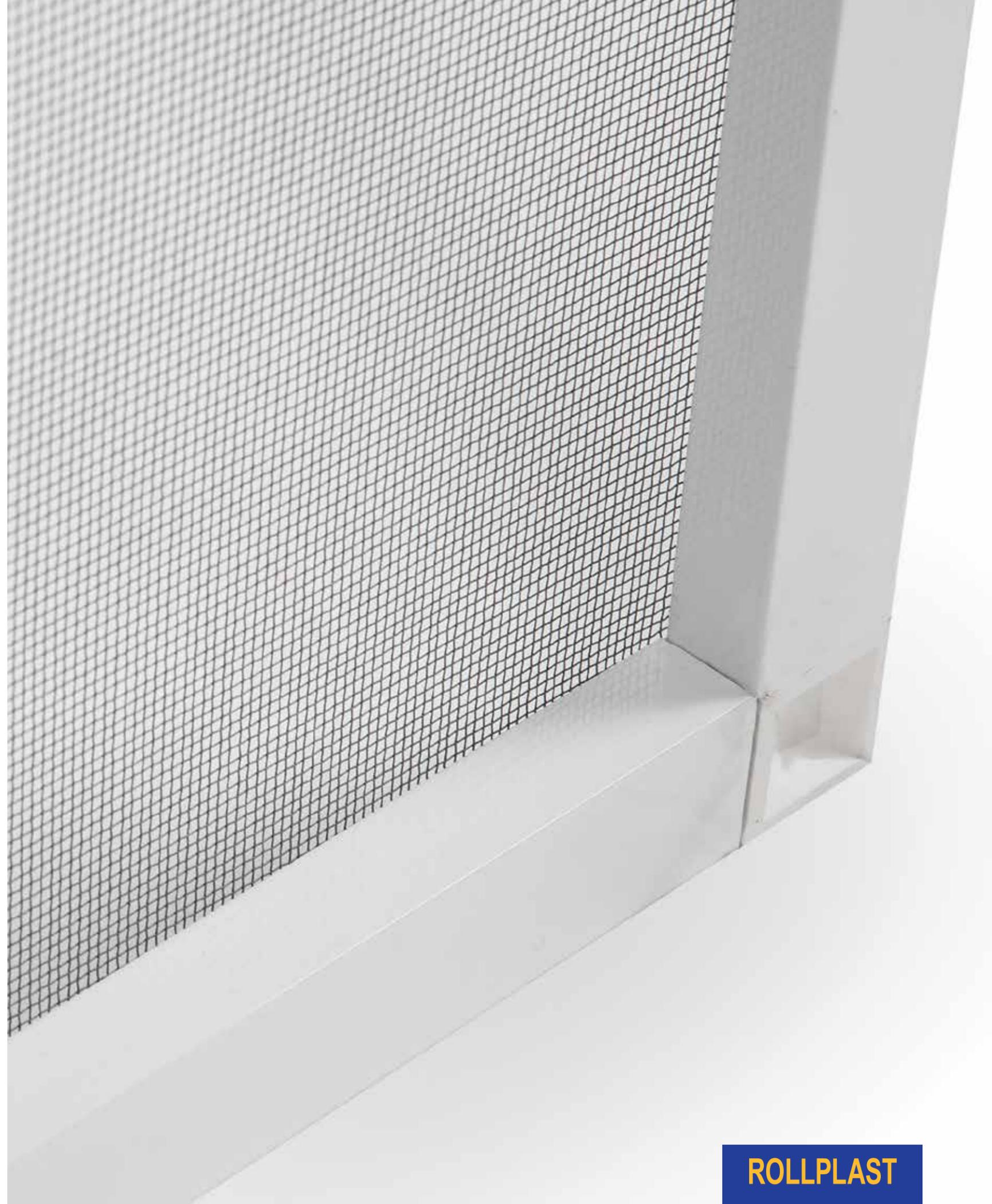
The minimum width is 600 mm, maximum width 1,800 mm for gloss colours, 2,000 mm for other colours, maximum height of 4,500 mm, maximum quadrature 5 sq.m.

*Optional implementation with a motor for 50 mm slats.*

# INSECT SCREENS

The screens are made in coordination with the size of the windows and doors and their discrete placement is a priority, so as not to reduce visibility.

- They are made of high-quality aluminium frames and fibreglass mesh with Teflon coating;
- They require almost no maintenance;
- Powder coating of the aluminium profiles in RAL colours optional;
- The specifics of roll-up mesh screens allow for their installation on all types of windows, as well as their combined installation with interior roller blinds. Four main types of insect screens are available: static, roller, pleated and door type.



## INSECT SCREEN MESH FOR WINDOWS

ROLLER MESH SCREEN



### ROLLER MESH SCREEN – WINDOW TYPE:

- Available colours – white, brown 8014, golden oak, walnut, dark oak and choice of RAL colour;
- Maximum sealing of the window frame;
- The roller function provides you with comfort and efficiency;
- Optimal storage during the winter months for long and seamless operation;
- Available installation on all types of windows, as well as their combined installation with interior roller blinds;

### STATIC:

- Suitable for windows where no movement of the mesh is required;
- Option for seasonal disassembly and reassembly;

STATIC “ELEGANT”



### MODELS:

- **Static “ELEGANT” model** with available colours: white, brown, golden oak, walnut, mahogany and painting in RAL colours;
- **Hinged model** – available in the following colours: white, brown, golden oak, dark oak, mahogany, walnut and painting in RAL colours;

## INSECT SCREEN MESH FOR DOORS

SPRING-LOADED HINGES



CLASSIC



PRESTIGE



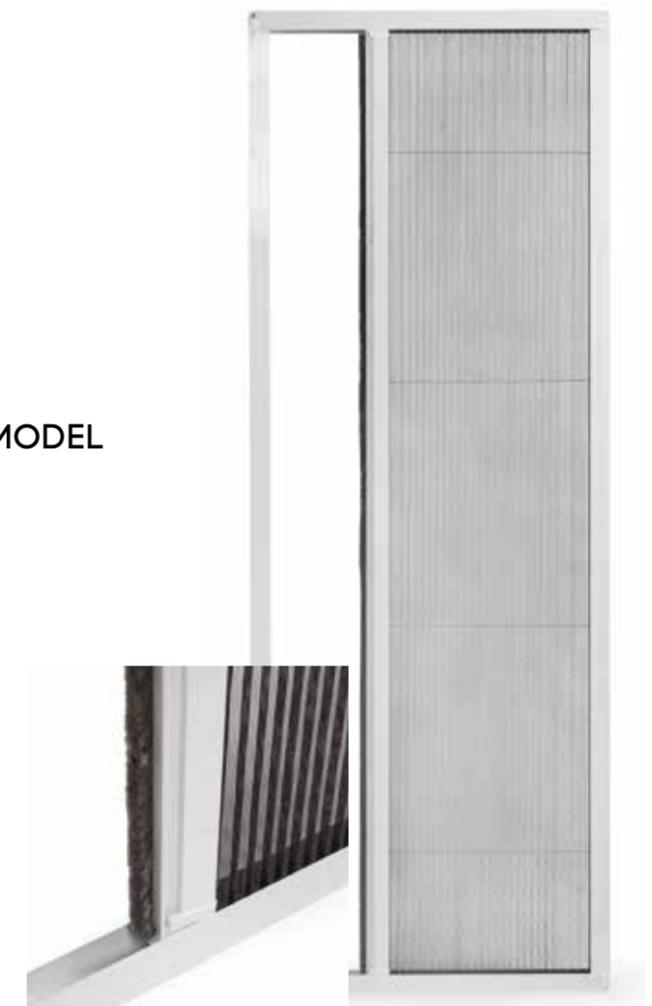
### DOOR TYPE WITH SPRING-LOADED HINGES “CLASSIC”:

- Available in white, brown, golden oak, dark oak, mahogany and walnut, as well as painting in RAL colours.

### DOOR TYPE WITH SPRING-LOADED HINGES “PRESTIGE”:

- An elegant and rounded profile available in the following colours: white, brown, wood imitation and painting in RAL colours.

PLEATED MESH



### PLEATED INSECT SCREENS: DOOR TYPE MODEL / WINDOW TYPE MODEL

- Optional manufacture in larger sizes and installation on gateways;
- An elegant and effective solution to the problem with those annoying insects;
- Maximum stacking when retracted;
- A luxury and innovative alternative to standard screen models;
- Available colours – white, brown 8014, golden oak and walnut. The colours available by custom order with a longer implementation period are mahogany and the customer’s choice of RAL colours.
- Option for manufacturing a low-threshold insect screen

# GARAGE DOORS

The toughness, functionality and colour diversity are some of the main features of garage doors. They are used for the enclosure and security of garages, offices, stores, establishments and many others. The tried and tested locking mechanisms ensure your security and peace of mind.



## SECTIONAL GARAGE DOORS

- Individual solutions with contemporary designs and excellent thermal insulation properties
- A variety of colours and panel types
- Implementation options with manual or motorised operation
- Implementation options for garage doors of up to 18 sq.m.

## TECHNICAL ADVANTAGES



- Easy adjustment to various construction conditions
- The frames allows for installation in small spaces
- Options for mounting small windows

- Easy and quick installation due to the unique suspension system with innovative components
- PVC pipes with bearings which reduce noise levels to 15 dB and ensure silent operation
- Reinforced hinges
- Springs for 20,000 cycles

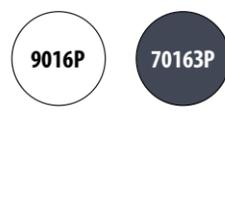


## A VARIETY OF MODELS AND COLOURS

## SMOOTH PANEL



## 1-LINE PANEL



## 5-LINE PANEL



## RAISED PANEL



Thermopanel with a width of 40 mm and excellent thermal insulation properties – 1.5 W/m<sup>2</sup>K

## ROLLER TYPE GARAGE DOORS



**GARAGE DOORS** are made of a sturdy and reliable aluminium maxi slats H 77 L 19 mm with polyurethane filling and slats with a height of 55 mm.



- High soundproofing and thermal insulation indicators;
- Easy and quiet opening;
- They occupy a minimum amount of space inside and outside during opening;
- Operation is performed via a motor operated from a button, a central locking system or by remote control;
- Width of 5 m and height of up to 3.2 m. Total possible surface area of up to 16 sq.m.
- Option for emergency opening using UPS, a crank or a bowden cable;
- For improved security in emergencies, a photocell or a safety beam with a built-in sensor;
- The main colours are: white, brown, silver, anthracite, golden oak, walnut, sapele (custom order only), other colours available with a 30-day delivery period;

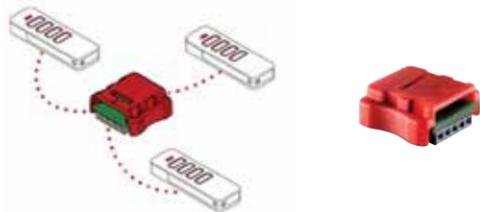
AUTOMATION FOR SECTIONAL DOORS

AUTOMATION FOR SECTIONAL DOORS

- A flexible wall or ceiling installation due to the separate hull of the control unit PRO +.
- Safety due to the encrypted remote control system.
- Environmental and economic efficiency – low energy consumption.
- Constant LED lighting equipped with 6 separate lights which are switched within two safety circuits.
- An integrated release system for the motor in emergencies.

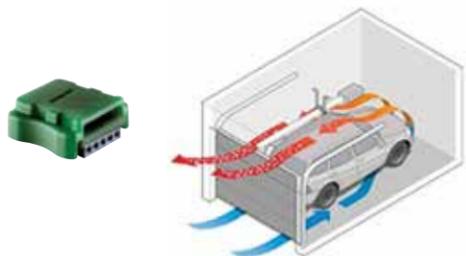


MEMO memory expander



Used for expanding the memory to 450 transmitters (remote controls).

Humidity sensor



When air humidity is high, the motor will automatically open the door, ensuring excellent circulation. When the optimal value is achieved, the door will close, reducing the risk of mould formation.

Rechargeable battery in the event of power failures



Delivers energy for 12 hours and 10 door cycles in the event of a power failure.

Remote controls



Laser



Provides optical assistance for perfect positioning of the vehicle in the garage.

Multi-purpose connecting device



Optional connection to different electrical devices and creating up to 10 scenarios

AUTOMATION FOR ROLLER GARAGE DOORS AND SHUTTERS

EXTERIOR ROLLER BLINDS CAN BE OPERATED IN TWO MAIN WAYS: MANUALLY AND VIA AN ELECTRICAL MOTOR.

Manual operation can be implemented:

- Using a cord with manual operation
- Using a crank for heavier blinds

There are numerous options for motorised operation:

- Button
- Remote control
- Central control systems
- Systems with weekly or monthly programming

Rollplast dual-channel button for a remote control motor	Built-in button for a mechanical motor	Exterior mount button for a mechanical motor
Wi-Fi receiver for remote control	Rollplast remote control	Alpha remote control
Remote control for a mechanical motor	15-channel remote control model Extra with an LED display	One-channel remote control Extra
5-channel remote control for a Rollplast remote control motor	5-channel remote control with a timer for a Rollplast remote control motor	One-channel remote control for a Rollplast remote control motor
<p>Another hi-tech operation method are solar and wind sensors. Thanks to them, your home is protected from external influences.</p>		
	Solar and wind sensor for a remote control motor	Solar and wind sensor for a remote control motor (wireless)

# RAILINGS AND GLASS OVERHANGS

Glass railings are a good designer solution for your need for change. They are used for both indoor and outdoor conditions. They are suitable for stairways, partitioning rooms, balconies, etc.

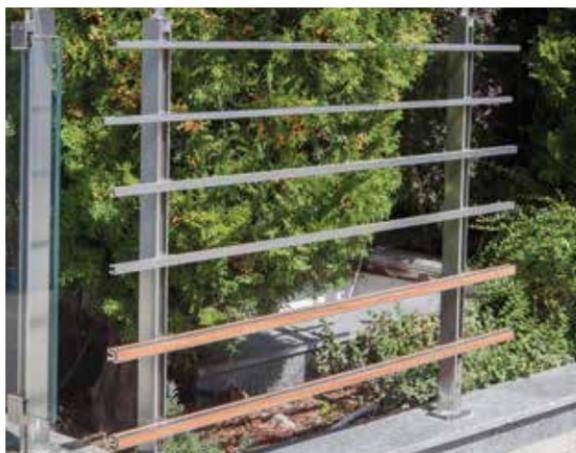
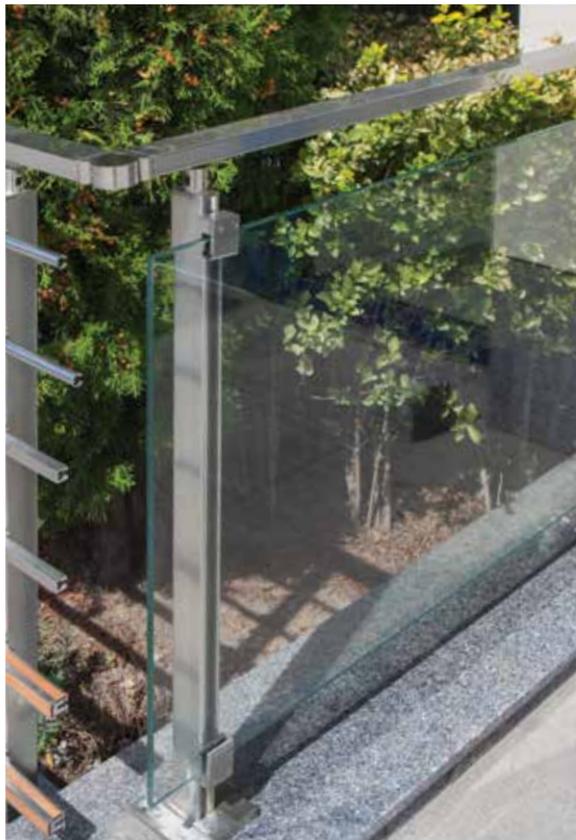




The railing models can be implemented from glass (with a width of 8 mm) and metal strings.

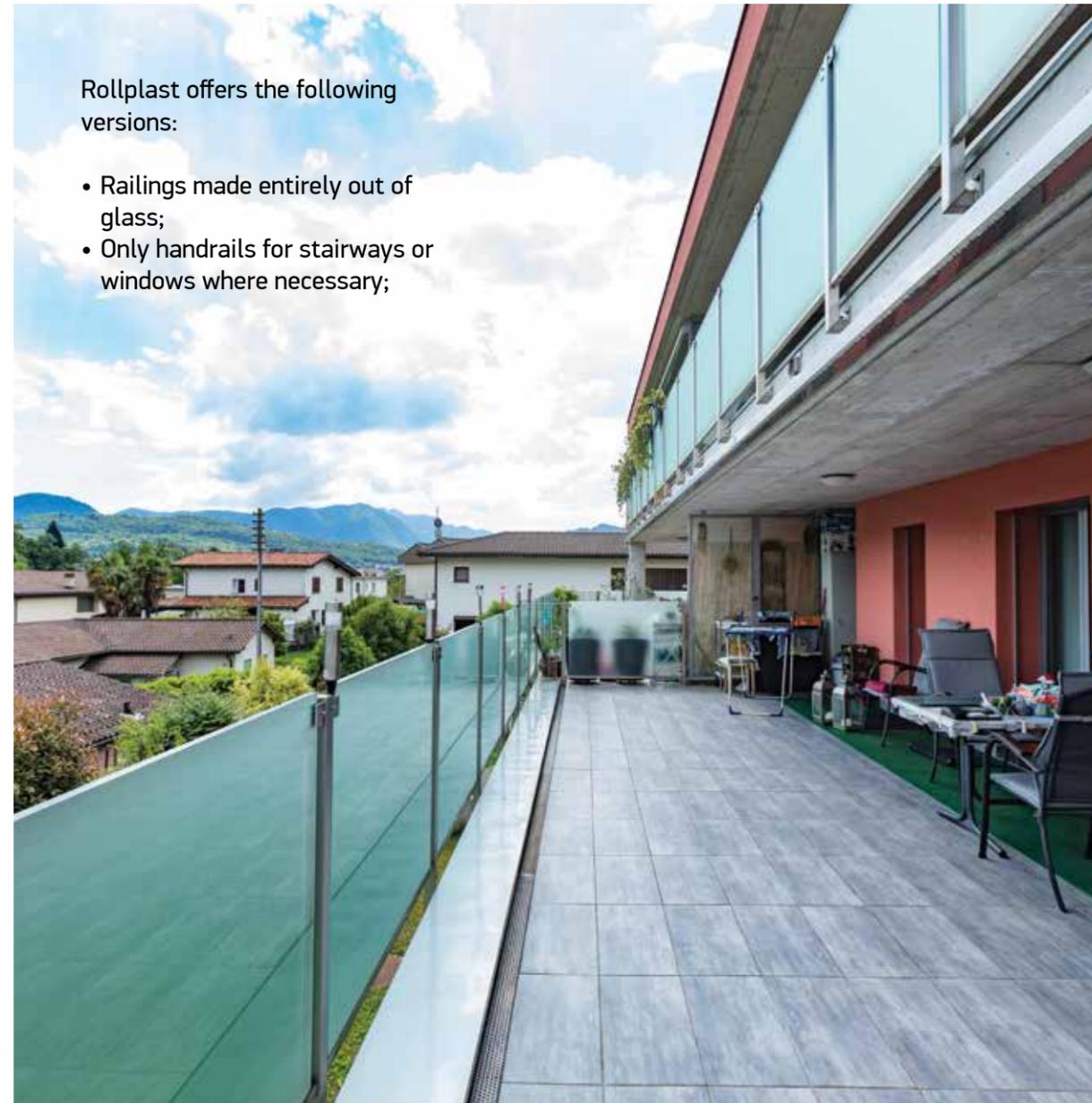
The glass can be tempered in various colours according to the customer's requirements. The metal strings come in round or square shapes or in a combination of metal and wood.

They can be attached both horizontally and vertically.



Rollplast offers the following versions:

- Railings made entirely out of glass;
- Only handrails for stairways or windows where necessary;



Rollplast also offers another interesting glass product which is in line with even the most sophisticated architectural concepts – the Glass Overhang product.



## THERMAL AD HYDRO INSULATION INSTALLATION (RAL INSTALLATION)

Contemporary construction and legal regulations set high requirements for the proper sealing during the installation of windows and entrance doors, as well as during the installation of thermal insulation for separate components of the buildings. The gaps around the windows are critical locations in terms of the loss of energy, humidity and noise. Condensation or mould could appear around the window due to the penetration of moisture through poorly insulated gaps or due to a combination of high relative humidity and low temperatures on the inside of walls.

### HOW CAN WE PROVIDE SEALING IN COMPLIANCE WITH EUROPEAN STANDARDS?

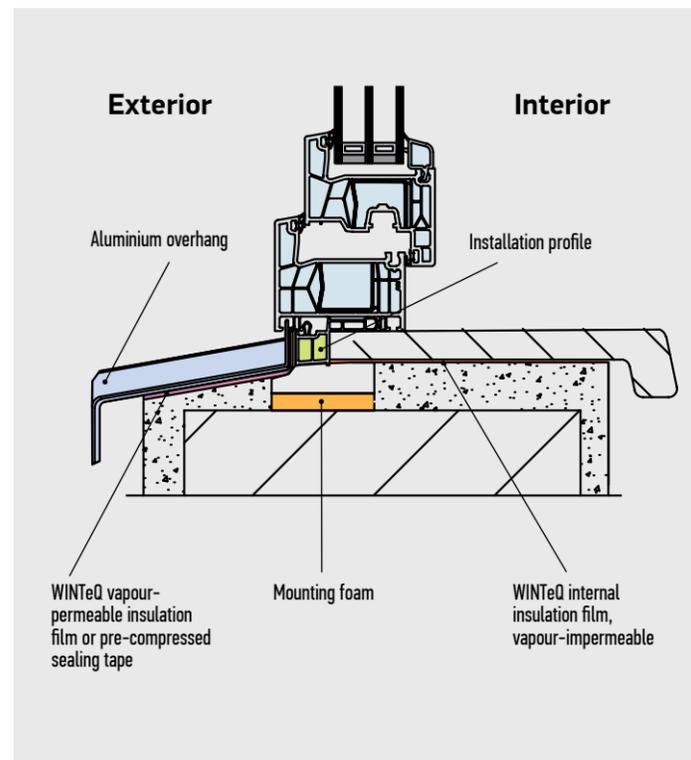
The solution is using the WINTeQ sealing systems for windows. The system includes internal and external insulation film, pre-compressed sealing tape, mounting foam and adhesive sealant.

### THE SYSTEM PROVIDES:

- Excellent thermal insulation and soundproofing;
- Tightly insulated gaps;
- Dispersion of water vapours, preventing them from condensing;
- Preventing the occurrence of mould;
- Reducing energy losses;
- Resistance to atmospheric influences and heavy rain;

### Water vapour condensation is prevented on three levels:

- \* **Interior** – it is separated from the exterior climate by maintaining a wall temperature above the critical value for the formation of mould (13 °C at 50% humidity) and a water-tight layer is provided which prevents the air with higher relative humidity on the inside of the room from reaching its condensation point.
- \* **Insulation layer** – provides thermal insulation and soundproofing.
- \* **Exterior** – protects gaps from the penetration of rainwater by obstructing the transfer of vapours from the exterior to the interior.



**RESIDENTIAL COMPLEX  
"CONTRACT CITY"**

Filled with a spruce wood  
profile 78 mm

**ROLLPLAST**

## CONSUMER STANDARDS

- Our showrooms give you the opportunity to browse all our products in a pleasant atmosphere;
- Our competent advice for the separate products will facilitate and guide you in your choice;
- Our sales consultants will offer you different options in accordance with your specific requirements;
- You can also receive an individual price offer on location in our showroom in compliance with your inquiry;
- We offer the opportunity to set a consultation with an expert at a time which is convenient for you;
- We will answer all questions regarding the delivery, the technical requirements and the installation of the products clearly and thoroughly;
- We will deliver your order on time and manufactured in compliance with all European standards;
- We will install the items as quickly as possible at a time and date convenient for you;
- You will receive full follow-up service;
- We react quickly and we will respond to all your questions and requests;

## WARRANTIES

### 10 YEARS:

- For the occurrence of unnatural colours or cracks on the surface of the white window or door made of PVC material;
- For the occurrence of unnatural colours or cracks on the interior surface (on the inside of the room) of laminated profiles;
- For the occurrence of unnatural colours or cracks on the surface of the white window or door made of aluminium;

### 5 YEARS:

- Windows – PVC profiles
- Windows – aluminium profiles
- Hardware
- Insulated glass unit

Production base  
Kostinbrod, 19 Imperator Konstantin Veliki Street,  
02/ 812 69 21, 02/ 812 69 61

## CERTIFICATES



CERTIFICATES - ISO 9001:2008



CERTIFICATES - ISO 9001:2008

TROCAL®

TROCAL 88+

Test reports

Thermal insulation reports

## Zertifikat

gültig bis 31.12.2010

Passivhaus  
Institut  
Dr. Wolfgang Feist  
Rheinstraße 44/46  
D-64283 Darmstadt



Passivhaus  
geeignete

Komponente: **Fensterrahmen**

Hersteller: **profine GmbH, D-53840 Troisdorf**

Produktname: **TROCAL® 88+ Flügelüberschlagverklebung**

Folgende Kriterien wurden für die Zuerkennung des Zertifikates geprüft:

#### Passivhaus-Behaglichkeitskriterium:

Unter Standardbedingungen (Verglasung mit  $U_g = 0,7 \text{ W/(m}^2\text{K)}$ , Fensterbreite 1,23 m, Fensterhöhe 1,46 m) erfüllt der Fenster-U-Wert die Bedingung:

$$U_w = 0,80 \leq 0,80 \text{ W/(m}^2\text{K)}$$

#### Rahmenkennwerte:

Rahmen	seitl./oben	unten
$U_f \text{ [W/(m}^2\text{K)]}$	0,79	0,78
Breite [mm]	113	133

Abstandhalter	Swisspacer V
$\Psi_g \text{ [W/(mK)]}$	0,030

#### Passivhaus spezifische Auflagen:

Die Passivhauseignung wurde nur mit dem o.g. Abstandhalter geprüft; andere Abstandhalter, vor allem solche aus Aluminium, führen zu wesentlich höheren Wärmeverlusten.

#### Passivhaus-Einbausituationen:

Einschließlich Einbauwärmbrücken erfüllt das Fenster

$$U_{w, eingebaut} \leq 0,85 \text{ W/(m}^2\text{K)}$$

wenn die in der Anlage dokumentierten Einbaudetails des Fensters in Passivhaus geeignete Wandaufbauten (Wärmedämmverbundsystem, Holzbaufassade und Betonschalungstein) eingehalten werden.

Das Zertifikat ist wie folgt zu verwenden:

**PASSIV  
HAUS  
geeignete  
KOMPONENTE  
Dr. Wolfgang Feist**



**Fensterrahmen:  
 $U_f = 0,79 / 0,78 \text{ W/(m}^2\text{K)}$   
 $\Psi_g = 0,030 \text{ W/(mK)}$   
Breite = 113 / 133 mm**

Register	Page
9.4	3

### Nachweis Widerstandsfähigkeit bei Windlast Schlagregendichtheit Luftdurchlässigkeit

Prüfbericht 102 26821

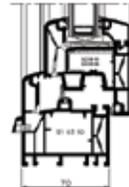


Auftraggeber **HT TROPLAST AG**  
Mülheimer Straße 26  
  
53840 Troisdorf

**Grundlagen**  
EN 12210 : 2000 - 06  
EN 12208 : 2000 - 06  
EN 12207 : 2000 - 06

Produkt/Bauteil	einflügeliges Drehkippfenster
Bezeichnung	TROCAL InnoNova_70.M5
Außenmaß (B x H)	1230 mm x 1480 mm
(Rahmen) Material	PVC-U/weiß
Besonderheiten	Diese Prüfung wurde aufgrund der Änderung im Bereich der Beschlagsaufnahme an den Rahmenprofilen und dem damit verbundenen Einsatz anderer Schließstücke als Ergänzung zur Systemprüfung 101 24123 vom 8. März 2002 notwendig.

#### Darstellung



**Verwendungshinweise**  
Dieser Prüfbericht dient als Ergänzungsprüfung zu Prüfbericht 101 24123

#### Widerstandsfähigkeit bei Windlast



**Klasse C4**

#### Schlagregendichtheit



**Klasse E 1050**

#### Luftdurchlässigkeit



**Klasse 4**

ift Rosenheim  
3. Juni 2003

*Ulrich Sieberath*  
i. V. Ulrich Sieberath  
Siv. Inst.Hausleiter

*A. Markus Egl*  
A. A. Markus Egl  
Prüfleid Systemprüfung

ift Rosenheim GmbH  
Geschäftsführer: Dr. Helmut Hohenstein  
Zertifizierungsstelle, PÜZ Stelle  
Leiter: Dipl.-Ing. (FH) Ulrich Sieberath

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83026 Rosenheim  
Tel. +49 (0) 8031 261-0  
Fax +49 (0) 8031 261-230  
http: www.ift-rosenheim.de

SparKasse Rosenheim  
Kto. 38 22, BLZ 711 500 00  
AG Traunstein, HRB: 14763  
IBAN:  
DE9071150000000003822

Deutscher  
Institut für  
Bauteile  
DAP-FL-0608 01  
DAP-2E-2293 00  
TGA-2M-16-93-03  
TGA-2M-16-93-63

#### Gültigkeit

Die Daten und Ergebnisse beziehen sich ausschließlich auf den geprüften und beschriebenen Probekörper.

Die Ergebnisse aus dem Prüfbericht 101 24123 können auf die neuen Profile übertragen werden.

Witterungs- und Alterungserscheinungen wurden nicht berücksichtigt.

Der Prüfbericht verliert seine Gültigkeit mit Ablauf des Prüfberichts 101 24123.

#### Veröffentlichungshinweise

Es gilt das ift-Merkblatt „Hinweise zur Benutzung von ift-Prüfberichten“.

Das Deckblatt kann als Kurzfassung verwendet werden.

#### Inhalt

Der Nachweis umfasst insgesamt 10 Seiten

- 1 Gegenstand
- 2 Durchführung
- 3 Einzelergebnisse

Register	Page
9.1	3