

THERMOPLASTIKI

Quality. Innovation. Reliability.

adoremore



FIBER GLASS
REINFORCED

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Artevo Fiber Glass Reinforced

Slinova - Slinova X

Artevo Entrance

Insect Screens

Window to
the **future**



**The new, revolutionary
frame by Thermoplastiki
only.**

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Artevo NEW

FIBER GLASS

REINFORCED



80mm Depth
up to 2.60m Height



Uw up to
0,60 W/m²K



Sound insulation
up to 48dB



Safety
up to RC3



Perfect angle



8 New Colors

Innovative **fiberglass reinforced** technology, unique aesthetics, new possibilities. The unique design integrates technologies that make a difference, offering the freedom to create unique buildings.

Elegant and durable. Ideal for large openings. Particularly robust. Less visible profile and more view, light, comfort and functionality.



Technical Specifications:

Mechanism up to 130 kg

7 chambers on the casement / 5-8 chambers on the sash

Sealing system with 3 rubber elements

Total visible face width 117mm

Double / triple glass pane option up to 56 mm

Burglar resistance according to DIN EN 1627 up to RC 3

Fiberglass Reinforced with RAU-FIPRO X technology

Sound insulation according to EN ISO 717-1 up to $R_w = 48\text{dB}$

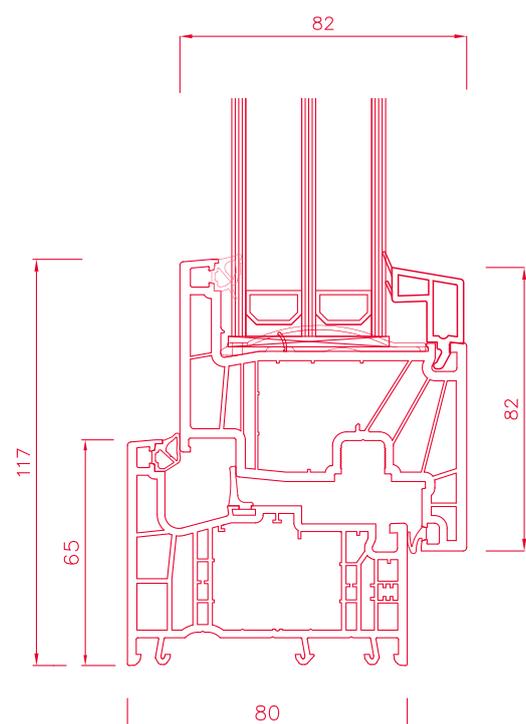
High Energy Efficiency

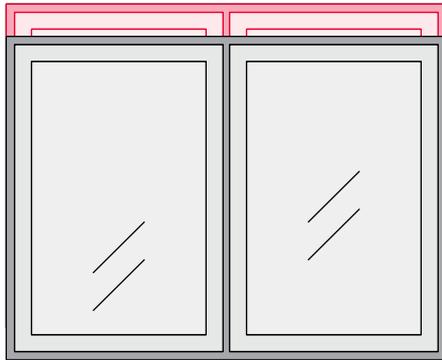
$U_f = 1\text{ W/m}^2\text{K}$ **$U_w = 0,82\text{ W/m}^2\text{K}$**

Low-E foil version

$U_f = 0,86\text{ W/m}^2\text{K}$ **$U_w = 0,78\text{ W/m}^2\text{K}$**

Glazed window with dimensions 1000mm x 2200mm,
 $U_g = 0,6\text{ W/m}^2\text{K}$ and $\Psi_g = 0,04\text{ W/mK}$



I 10%

Higher height

Thanks to its innovative composition, Artevo offers design freedom and a height of up to **2,60 m.**



Minimal Design

Ultra-thin 10mm outer frame.

Excellent sealing features

Sealing is achieved with the use of 3 rubber elements.

Maximum thermal insulation

Fiber Glass Reinforced profile with the innovative RAU FIPRO X technology.

The perfect angle

With emphasis on every detail and keeping in mind the new trends in the market, we present the ideal visual result. The bonding point of the sashes and the casement is no longer visible, giving a smooth look.



8 new colors

They rock the architectural aesthetics of any building.

The color is what upgrades the final result and bonds the aesthetics of the interior and the exterior. Discover Thermoplastiki's new color collection, with unique texture, matte look and excellent resilience in terms of time and use.



TURNER OAK MALT



TURNER OAK TOFFEE



WEISS 9152 ULTI MATT



GRAU 7155 ULTI MATT



QUARZGRAU 7039 ULTI MATT



BASALTGRAU 7012 ULTI MATT



ANTHRAZITGRAU 7016 ULTI MATT



SCHWARZ ULTI MATT

Here are some indicative **construction solutions** that fulfill the requirements of every project.



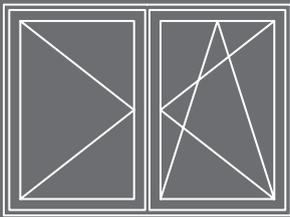
SINGLE-SASH TT



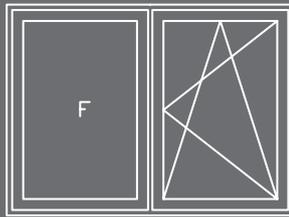
SINGLE-SASH FIXED



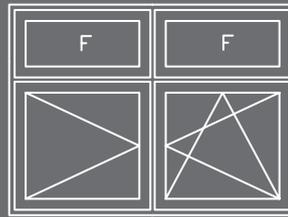
SINGLE-SASH WITH FIXED



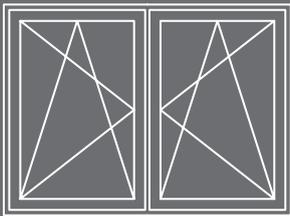
DOUBLE-SASH 1 TT 1 T



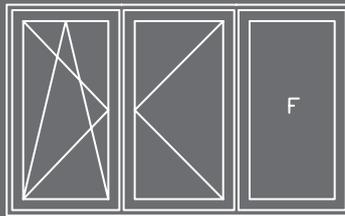
DOUBLE-SASH WITH 1 FIXED



2 DOUBLE-SASH WITH 2 FIXED



DOUBLE-SASH WITH COLUMN



TRIPLE-SASH WITH 1 FIXED

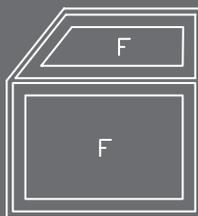


TRIPLE-SASH WITH 2 FIXED

Derivatives



1 FIXED 1 TT

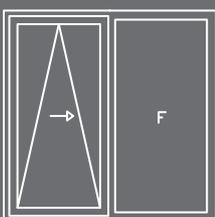


2 FIXED

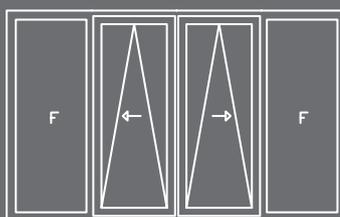


FIXED

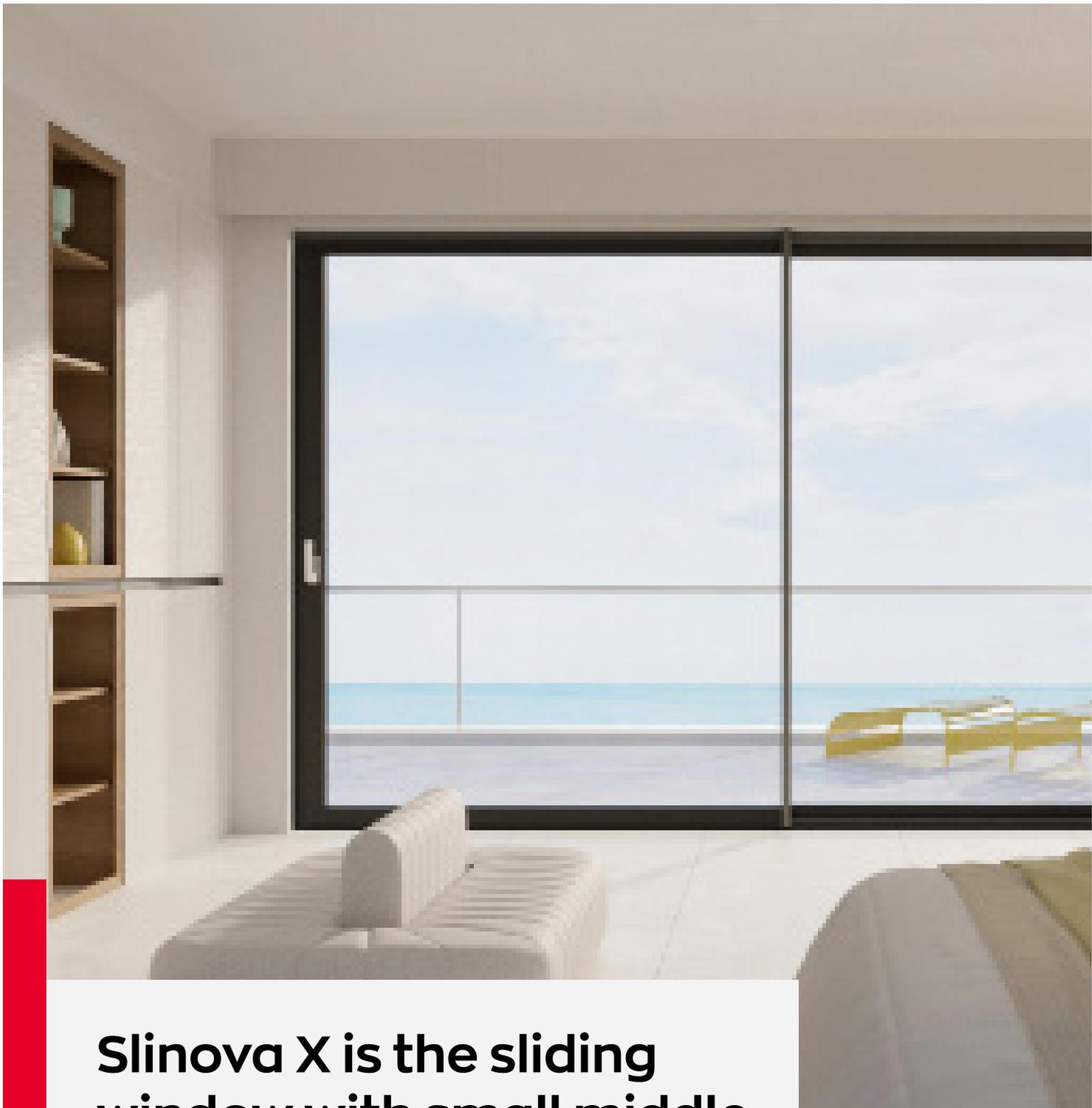
PSK



PSK



DOUBLE-SASH PSK



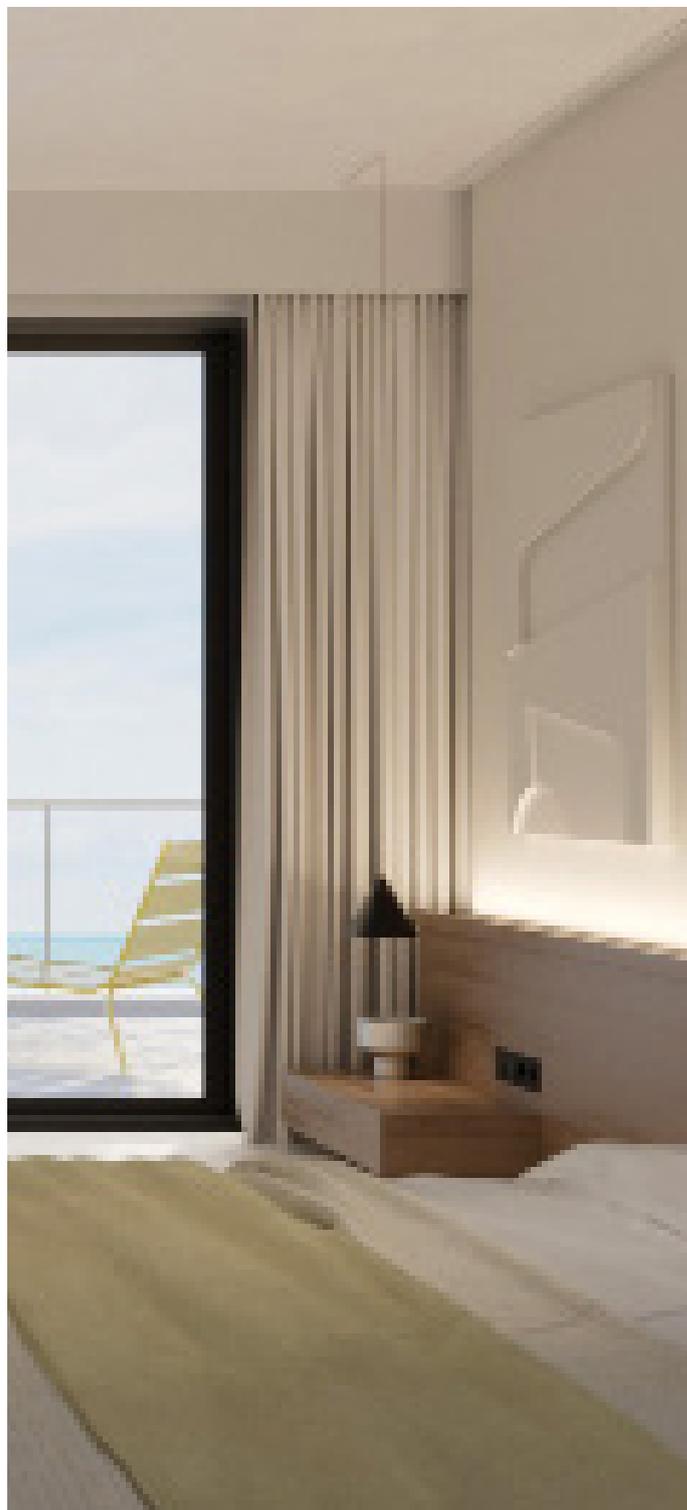
Slinova X is the sliding window with small middle section.

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Slinova X NEW

FIBER GLASS

REINFORCED



Small middle section
32mm



High energy efficiency

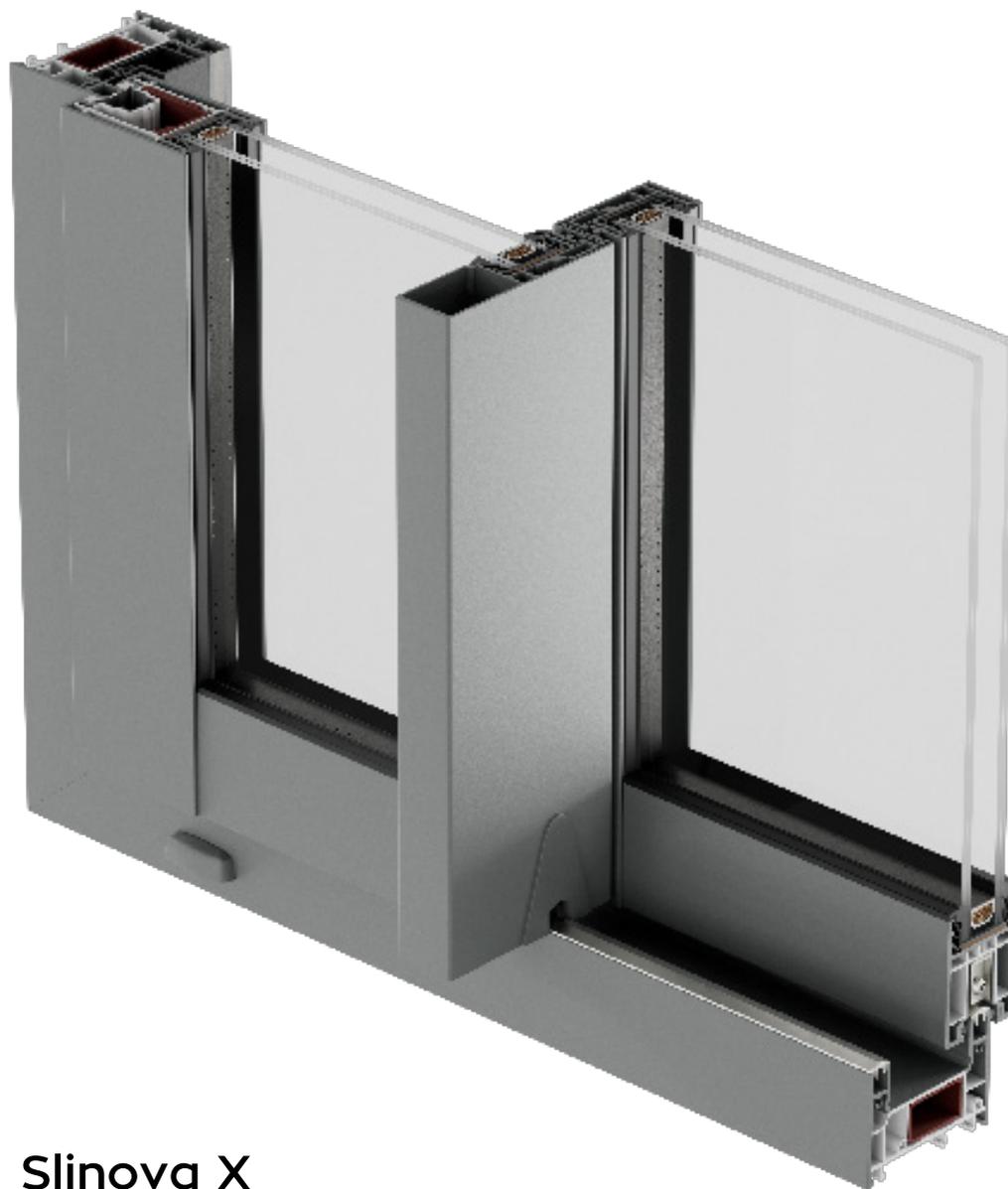


Fine minimal design



8 new colors

Panoramic view and light with the most elegant, sliding frame. It offers **ease of passage, robustness, but also design freedom** for the most modern residences.



Slinova X

Technical Specifications:

- _____
- Mechanism with a capacity of 200kg sash max weight
- _____
- Total face width of 113mm
- _____
- Double glass pane option of 28 mm or 32 mm
- _____
- Burglar resistance option according to DIN EN 1627 up to RC 2
- _____
- Sound insulation up to $R_w = 33$ dB
- _____
- 4 chambers on the casement (fixed frame with 2 rails) / 3 chambers on the sash (sliding frame)
- _____
- Perimeter sealing, possibility of additional sealing kit with rubber elements for greater air tightness

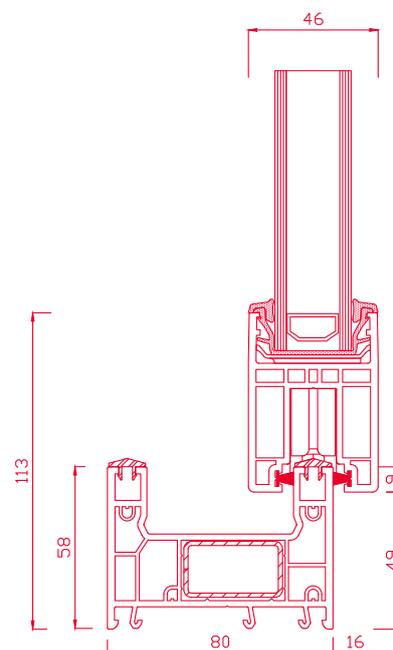
High Energy Efficiency

$U_f = 2,4$ W/m²K $U_w = 1,5$ W/m²K

With the sealing kit

$U_f = 2,1$ W/m²K $U_w = 1,4$ W/m²K

Sliding with dimensions 3000mm x 2200mm,
 $U_g = 1,0$ W/m²K and $\Psi_g = 0,08$ W/mK





Slinova

Technical Specifications:

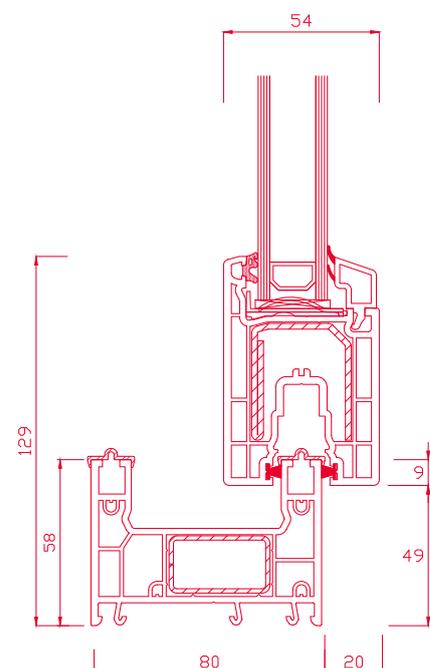
Mechanism with a capacity of 140kg sash weight
Total face width of 129mm
Double glass pane option of 24 mm or 32 mm
Burglar resistance option according to DIN EN 1627 up to RC 2
Sound insulation up to $R_w = 33$ dB
4 chambers on the casement (fixed frame with 2 rails) / 3 chambers on the sash (sliding frame)
Perimeter sealing, possibility of additional sealing kits with rubber elements for greater air tightness

High Energy Efficiency

$U_f = 2,3$ W/m²K $U_w = 1,4$ W/m²K

With the sealing kit
 $U_f = 1,8$ W/m²K $U_w = 1,3$ W/m²K

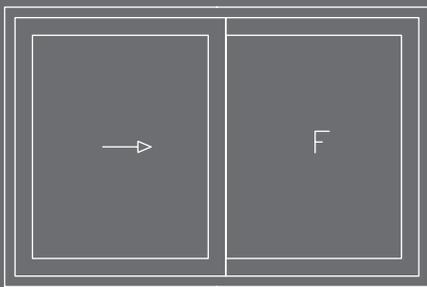
Sliding with dimensions 3000mm x 2200mm,
 $U_g = 1,0$ W/m²K and $\Psi_g = 0,08$ W/mK



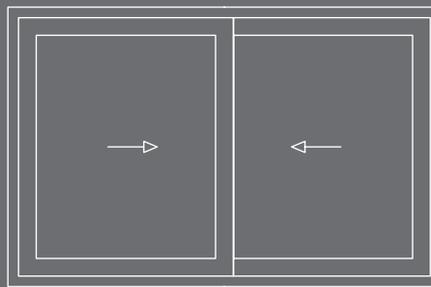
adoremore



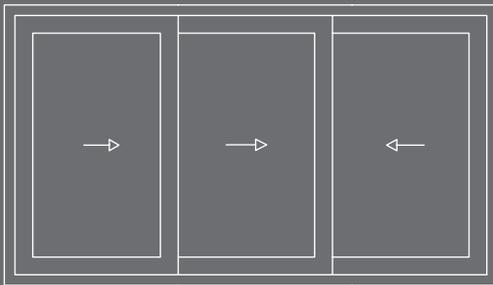
Here are some indicative **construction solutions** that fulfill the requirements of every project.



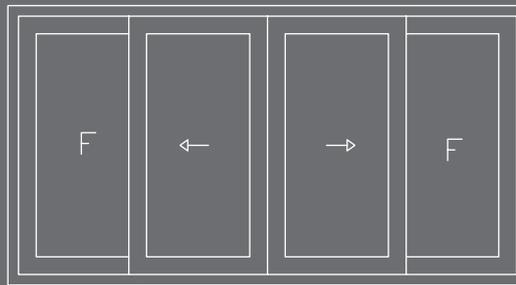
DOUBLE-SASH FIXED SLIDING



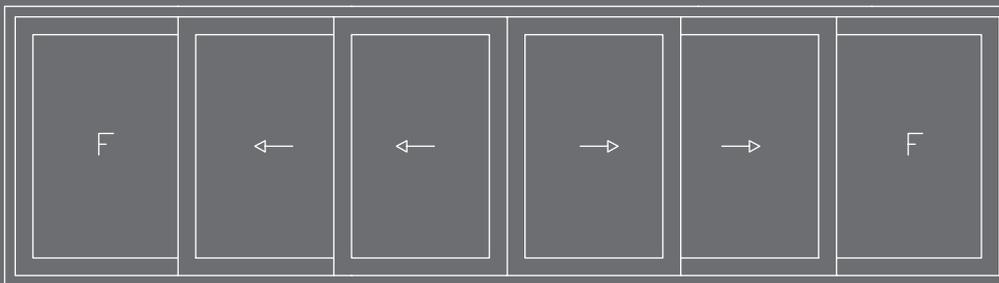
DOUBLE-SASH SLIDING



TRIPLE-SASH



4-SASH



6-SASH



**State-of-the-art technology
& high aesthetics for the
modern main entrance.**

ARTEVO

MAIN ENTRANCE



Excellent sealing features



High safety



Perfect angle



8 new colors

The new main entrance, in addition to **unique safety performance**, offers **modern design** with thin facades, thermal insulation and sealing.

Ideal for a modern residence that respects the environment.



Technical Specifications:

Mechanism with external double tubular hinges with a capacity of up to 80kg

5 chambers on the sash

Total visible face width of 116mm

Sealing system with 2 brushes and 1 rubber element

Double / triple glass pane option of up to 56 mm

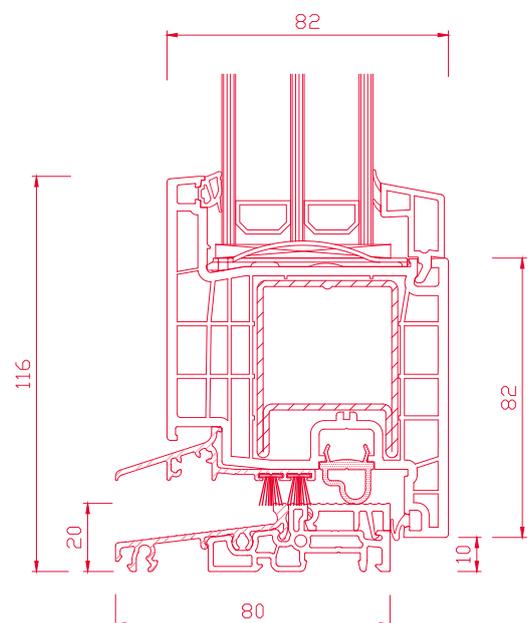
Burglar protection according to DIN EN 1627 up to RC3

Sound insulation according to EN ISO 717-1 up to $R_w = 48\text{dB}$

High Energy Efficiency

$U_f = 1,3 \text{ W/m}^2\text{K}$ $U_w = 0,94 \text{ W/m}^2\text{K}$

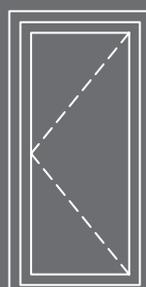
Residential door with glazing with dimensions 1000mm x 2200mm, $U_g = 0,6 \text{ W/m}^2\text{K}$ and $\Psi_g = 0,04 \text{ W/mK}$





Mechanism with external double tubular hinges with a capacity of up to 80kg.

Here are some indicative **construction solutions** that fulfill the requirements of every project.



SINGLE-SASH OPENING OUTWARDS



SINGLE-SASH OPENING INWARDS



OPENING INWARDS FIXED UPPER PART



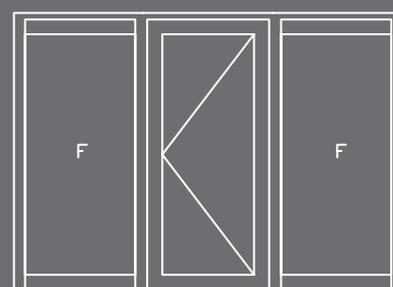
DOUBLE-SASH OPENING INWARDS 1 OPENING 1 FIXED



DOUBLE-SASH OPENING OUTWARDS



OPENING INWARDS 2 OPENING



TRIPLE-SASH OPENING INWARDS 2 FIXED



**Unobstructed passage
and freedom of
movement.**

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HST

HEAVY DUTY



Great freedom of movement



Ideal for large openings



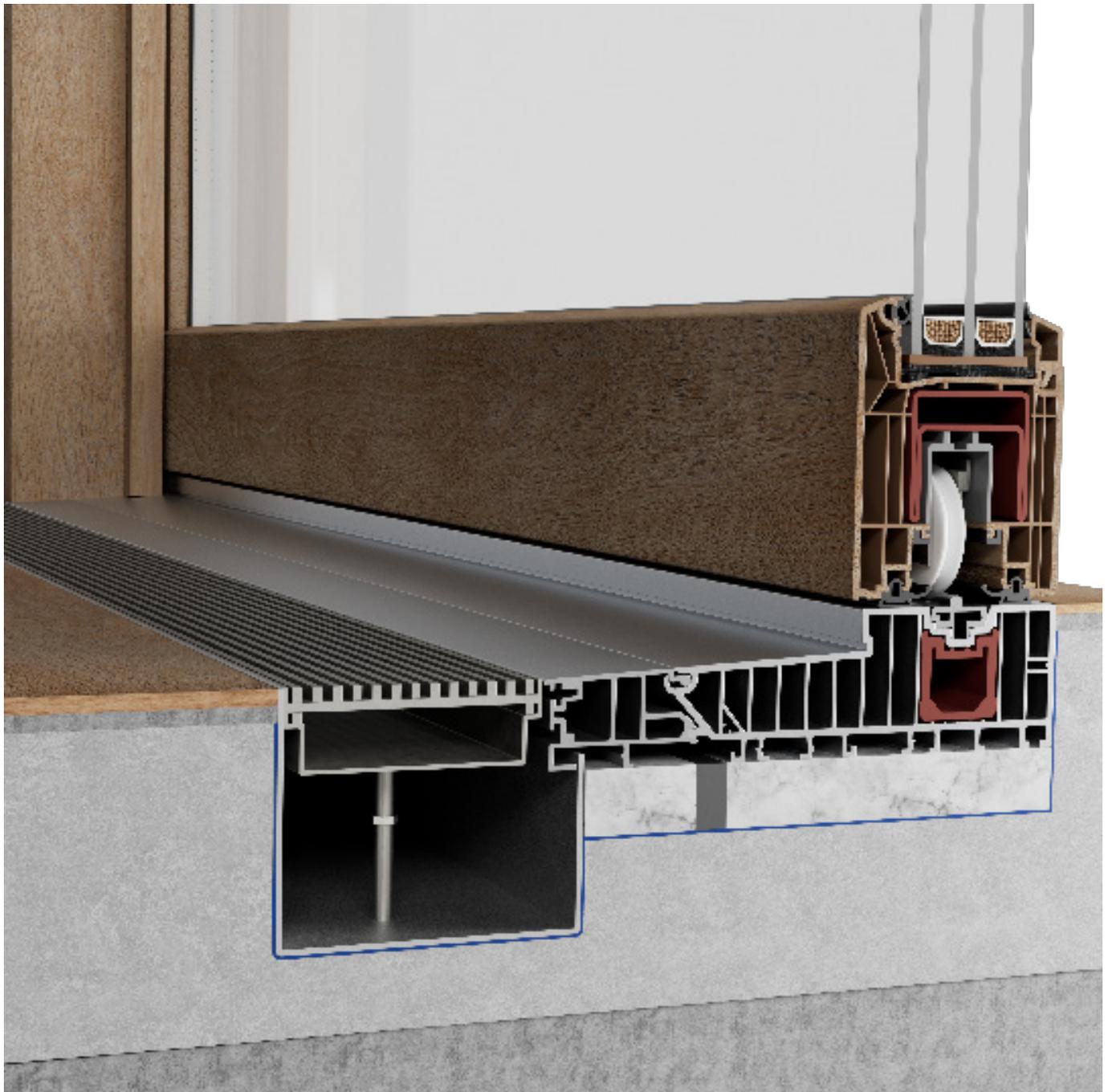
Perfect angle

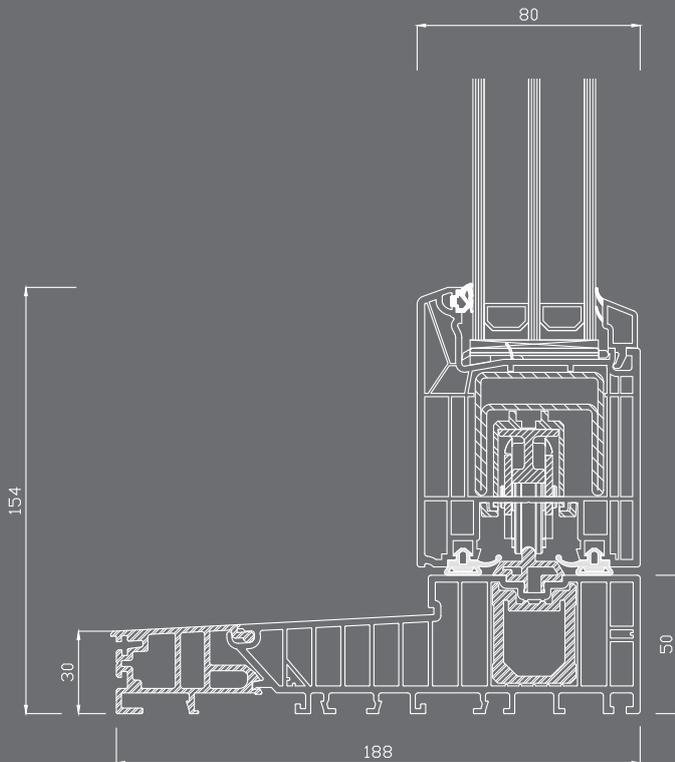


8 new colors

Ease of movement, high sealing & thermal insulation performance, large dimensions & more natural light are just a few of the advantages offered by the heavy duty HST frame.

It is available with a low guide, while the option of a stainless steel water drainage grate is recommended.





Technical Specifications:

Mechanism with a capacity of 400kg max sash weight

5 chambers on the sash

Total face width of 154mm

Total sash face width of 101mm

Double /Triple glass pane option of up to 51 mm

Burglar protection option according to DIN EN 1627 RC 2

Sound insulation up to $R_w = 43\text{dB}$

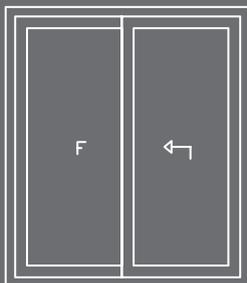
Sealing system with 2 rubber elements

High Energy Efficiency

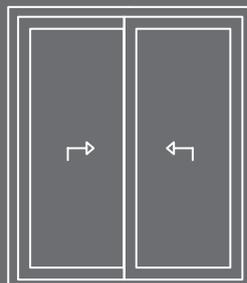
$U_f = 1,4 \text{ W/m}^2\text{K}$ $U_w = 0,90 \text{ W/m}^2\text{K}$

Lift & Slide with dimensions 3000mm x 2200mm,
 $U_g = 0,6 \text{ W/m}^2\text{K}$ and $\Psi_g = 0,04 \text{ W/mK}$

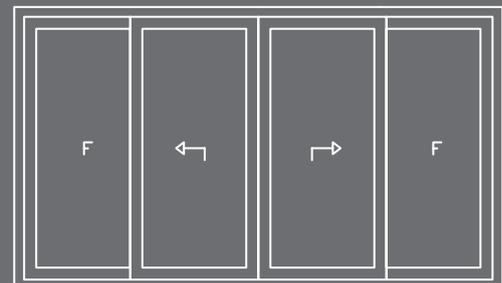
Here are some indicative **construction solutions** that fulfill the requirements of every project.



DOUBLE-SASH FIXED



DOUBLE-SASH SLIDING



4-SASH

SAFETY UPGRADE



01.
BURGLAR PROTECTION
SECURITY CYLINDER

Combine safety suggestions proposed by Thermoplastiki to upgrade the security of your entrance.

The Security Cylinder comes with 5 keys and a security card and has a long neck to work with the Defender. It is anti-burglar, as, if it is breached, it breaks and locks. Defender offers excellent anti-drilling and cylinder lock breakage defense.

Combining them with the multipoint locking system you upgrade the security of your doors even in the existing entrances provided by Thermoplastiki!



02.
DEFENDER



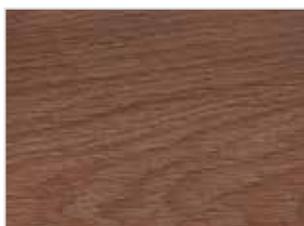
03.
MULTIPOINT LOCKING SYSTEM



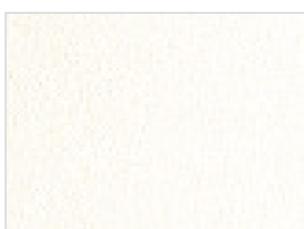
COLOR RANGE



TURNER OAK MALT



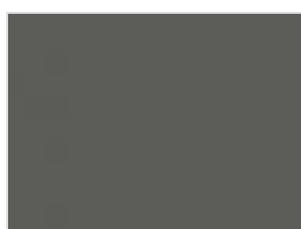
TURNER OAK TOFFEE



WEISS 9152 ULTI MATT



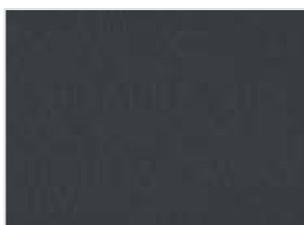
GRAU 7155 ULTI MATT



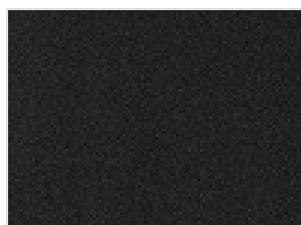
QUARZGRAU 7039 ULTI MATT



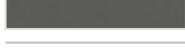
BASALTGRAU 7012 ULTI MATT



ANTHRAZITGRAU 7016 ULTI MATT



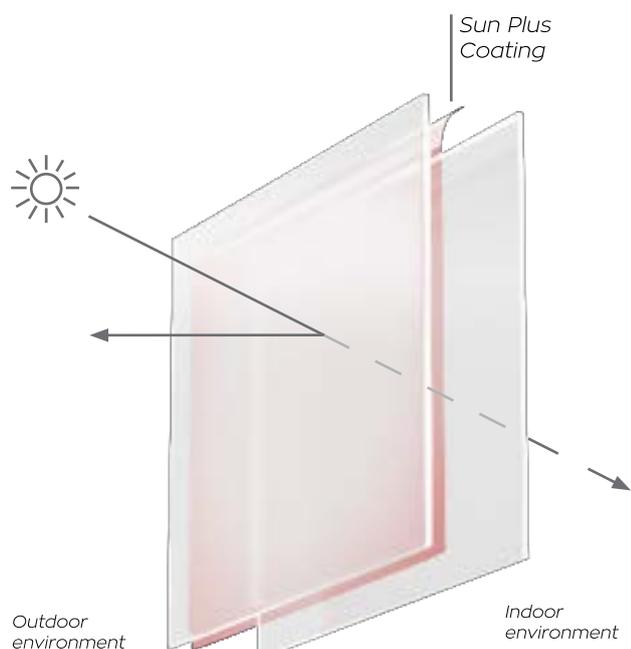
SCHWARZ ULTI MATT

		ARTEVO FIBER GLASS REINFORCED	HST (available on demand)	SLINOVA SLINOVA X	ARTEVO ENTRANCE
	Turner Oak Malt	✓	✓	✓	✓
	Turner Oak Toffee	✓	✓	✓	✓
	Weiss 9152 Ulti Matt	✓	✓	✓	✓
	Grau 7155 Ulti Matt	✓	✓	✓	✓
	Quarzgrau 7039 Ulti Matt	✓	✓	✓	✓
	Basaltgrau 7012 Ulti Matt	✓	✓	✓	✓
	Anthrazitgrau 7016 Ulti Matt	✓	✓	✓	✓
	Schwarz Ulti Matt	✓	✓	✓	✓

Top Performing Energy Glass Panes.

Glass panes occupy the largest area of a frame. In practice, this means that they largely determine the overall energy efficiency of the frame, as well as the soundproofing effect.

We seek the best final result by taking care of the integrated coverage of the needs of any space. All the frames we manufacture exclusively come with glass panes produced in the company's state-of-the-art, privately-owned unit in Amygdaleonas, Kavala.



Sun Plus

Top comfort in summer & thermal insulation in winter

- 1 **Visual Comfort**
 High light permeability and neutrality in appearance, while reflecting infrared radiation helping to save energy and reduce CO2 emissions.
- 2 **Top thermal insulating features**
 Three times the insulation of a typical double glass pane.
- 3 **Energy and cost savings**
 Low consumption and reduction of heating, cooling and CO2 emissions costs.

	TL Light Permeability [%]	Solar Coefficient g	Thermal Insulation Coefficient U [W/m ² K]
SUN PLUS	70	0,37	1,0

DGU Double Glass Pane: 4mm - 15mm Argon 90% - 5mm Sun Plus

Sun Plus glass panes are designed for **double or triple glazing** and perfectly accompany any frame (Fiber Glass Reinforced, uPVC or Aluminum) manufactured by Thermoplastiki.

Sun Plus coating is always applied in position no. 2 of the double or triple glass pane.

Low e

Maximum energy efficiency & light

Low-e glass panes are designed for **double or triple glazing** and perfectly accompany any frame (Fiber Glass Reinforced, uPVC or Aluminum) manufactured by Thermoplastiki.

With low-emission glass panes, we achieve **reduction of energy consumption** and, consequently, **reduction of heating costs**, combined with the creation of comfortable living conditions during the winter months, thanks to the **use of sunlight**.

1 Excellent Energy Efficiency and Economy

It combines the highest level of energy efficiency while significantly reducing energy consumption, heating costs and, consequently, CO2 emissions.

2 Unique Aesthetics

Low-e coating has a completely neutral aesthetic. Color performance during transmission and reflection is particularly high.

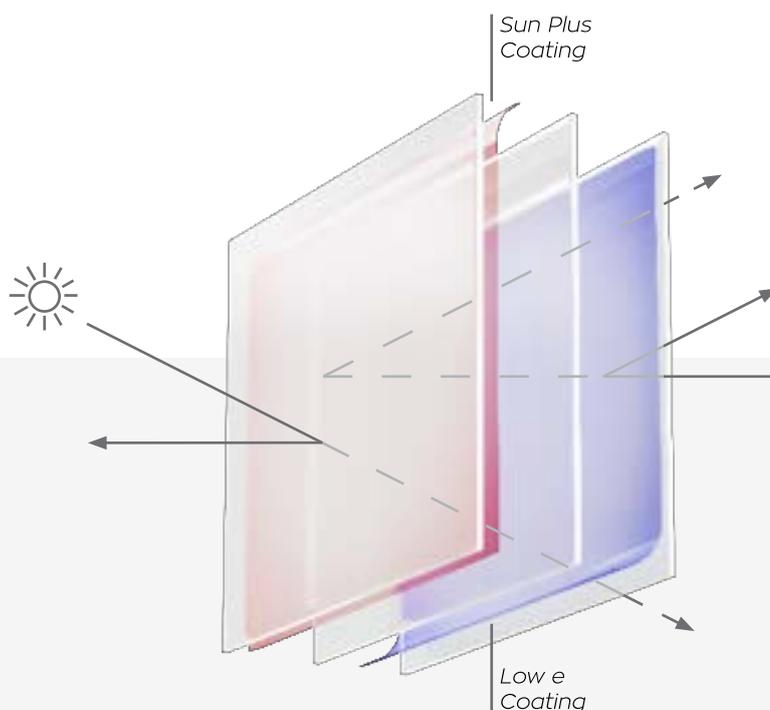
Composition (mm)	Gas filling	Value Ug W/(m²K)	Light transmission (%)	g value (%)	Light reflection (%)
5/15/*4	Argon > 90 %	1,1	81	64	12
4*/16/5/15/*4	Argon > 90 %	0,6	73	53	16
5/15/5/15/*4	Argon > 90 %	0,9	74	59	16

Values are calculated in accordance with EN410-2011 and EN673-2011 standards.
* Coating position

Our Proposal

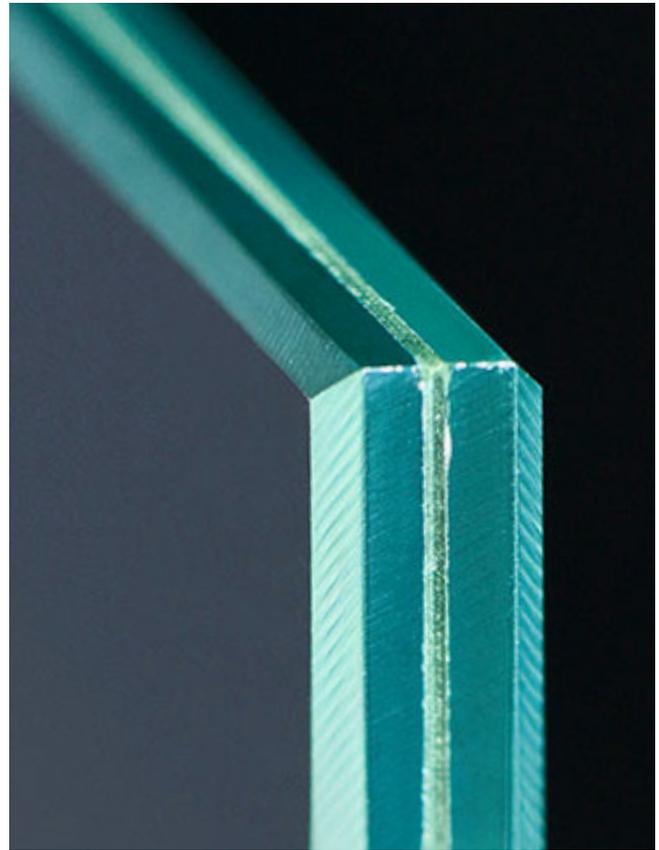
Triple energy efficient glass panes with **Sun Plus - Low e technology & Thermix spacer.**

Unparalleled thermal protection and high durability.



Triplex glass panes

The enhanced protection and security proposal of Thermoplastiki



Soundproof structure

Triplex security is not limited to material threats only. Soundproofing is also guaranteed with this option. The excellent reflective property of the membrane creates a shield and blocks sound waves, to provide a peaceful interior, free from any external disturbance.

Break-proof structure

Internal film layers secure the glass structure even in case it breaks. The broken glass pane stays in place without breaking into fragments, to prevent from any injuries and to ensure protection against burglary, even when broken.

Bulletproof structure

Manufactured under extremely high pressure and temperature, bullet-proof triplex glass panes provide excellent protection in case of increased need for security. The amount of layers and PVB membranes determine the security level of the glass pane.

Wind-resistance structure

The durability of triplex glass panes can protect your space from high-speed gusts of wind, reducing the bending strength of the glass pane. In this way, the large dimensions of the frames pose no restriction anymore.

The Argon gas

Thermoplastiki, in addition to the advanced glass panes that manufactures in its integrated and state-of-the-art production unit, provides all energy glass panes with the automated addition of Argon gas (90%), within the spacer of the double or triple glass pane. Argon gas is an innovative solution in the thermal insulation industry, improving the double Sun Plus energy-efficient glass pane thermal transmittance properties by 25%.

The Thermix Warm Edge Spacer

To improve the U_w factor to the maximum, the company uses Thermix warm edge spacers, practically reducing the energy cost of the building and upgrading the indoor climate. The convection coefficient Ψ_g is 0.040 W/mK.

Thermix spacer prevents or limits the phenomenon of liquefaction inside the space.



Specialized Glass Panes

Ideal solutions
for any type of construction.

Tempered Glass Panes

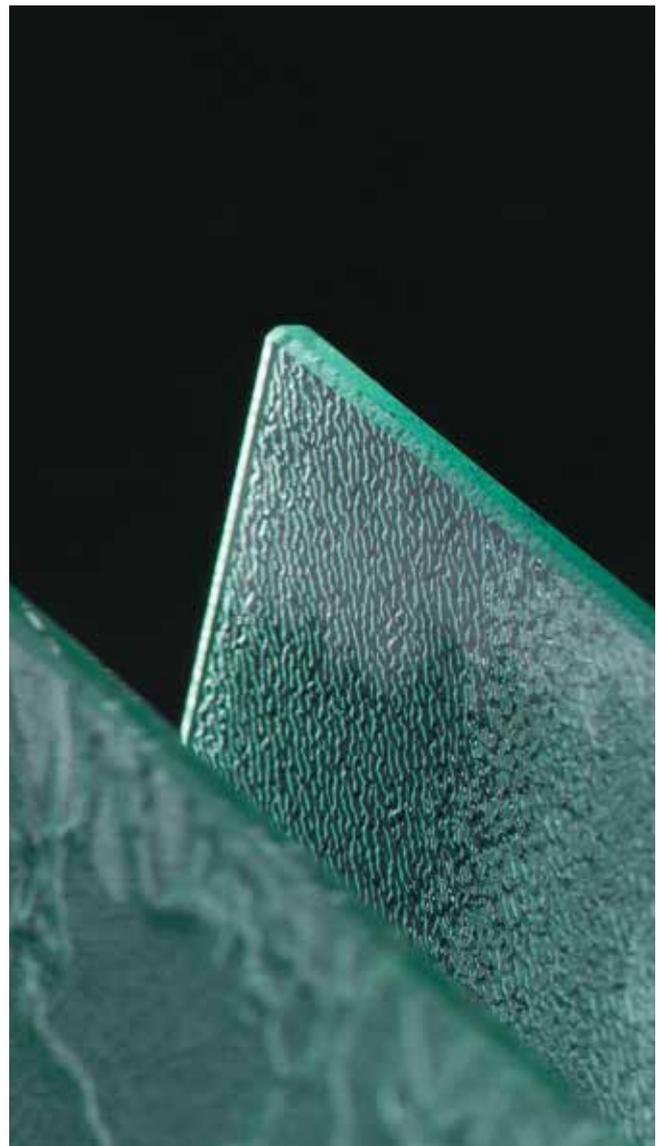
Tempered glass panes are produced by thermal processes where the hardening of their structure is achieved. First, they are baked in a special oven and then they are cooled in order to achieve the desired result. In addition, energy coating (Sun Plus - Low-e) can be applied to tempered glass panes, double or triple. In case of breakage they crumble, preventing possible injuries. They are the best choice for Architectural Frames.

Stop Sol

Reflective stop sol glass panes are ideal for cases where you want the privacy of the interior, as they prevent visibility from the outdoor environment. They also reflect a significant part of sunlight, thus blocking harmful radiation.

Graded Light Transmittance Glass Panes

Graded light transmittance glass panes consist of specially-treated matte glass strips, which allow just a portion of sunlight to enter, offering limited visibility with a blurring effect. This application is ideal for both internal and external applications. They are the best choice for Architectural Frames.



Glass panes that prevent burglars and ensure security

The composition of Triplex (Laminated) glass panes is based on the inner membrane. In case of breakage, the glass pane stays in place without breaking into fragments. This prevents both violation by would-be intruders and possible injuries. Triplex glass panes can be combined with the Sun Plus energy coating, as well as with the soundproofing membrane, as an investment in the quality of the indoor environment.



Triplex (Laminated) or Tempered Glass Panes?

Both of these types of glass panes offer security, while in case of breakage they ensure the prevention of injuries. If the main concern is the security of your place, then triplex glass panes are recommended due to their structure. For particularly large dimensions (Architectural Frames), tempered glass panes are recommended. Due to their processing, they have higher tensile strength and resistance to wind pressure, while no doubling of thickness is required compared to triplex glass panes. This results in a significant reduction in kilograms per square meter.

What does Solar Factor mean?

The solar factor is the indicator that measures the percentage of solar energy that penetrates the glass pane of a frame to the interior, in relation to the total incident solar radiation. The lower its value, the higher the sun protection offered by the frame.

The solar factor of Thermoplastiki's double Sun Plus glass panes is 0.39 (39%), while that of triple glass panes is 0.36 (36%).

MODERN INSECT SCREENS



Each screen manufactured by the company adds functionality and aesthetics to your space, keeping away dust and insects. The variety of applications is not limited to the typology and mechanism, but also includes color and material.

It is made of **fiber glass stiff net** and comes with a **hydrophobic coating** for easy cleaning.

Thermoplastiki chooses black screen cloth, highly resistant to UV radiation, high temperatures and time, while offering better visibility.

Thermoplastiki offers a **wide variety of insect screen systems**, providing applications and solutions for covering **any type of opening**.

Available Typologies of Insect Screens:



HEAVY DUTY SLIDING



OPENING



PLEATED WITH CORD



PLEATED WITH SPECIAL TRACK CHAIN



VERTICAL MOVEMENT



FIXED FRAME



FRAME-SLIDING



REMOVABLE



MOTORIZED

Centor Insect Screens

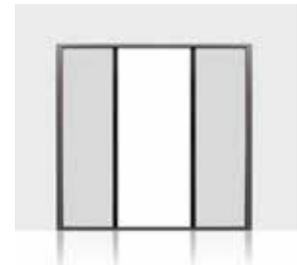
S2 Insect Screen

Ideal for smaller openings up to 4m wide.

Simple to use with Centor load balancing technology (Smooth Scrolling, One-Finger Operation).
Compact design – installable inside or outside the opening.



SINGLE-SASH (COVERS THE ENTIRE OPENING)



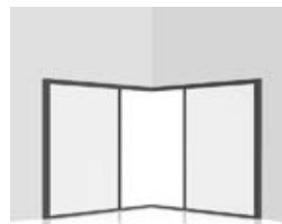
DOUBLE-SASH (TWO SCREENS THAT MEET IN THE MIDDLE OF THE OPENING)

Insect screen and Blind S4

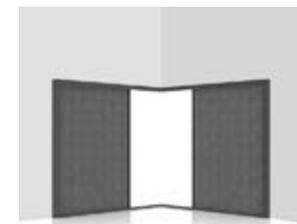
Ideal for larger openings, can be manufactured for a length of up to 10m.

Simple to use with Centor load balancing technology, (Smooth Scrolling, One-Finger Operation).
Compact design – installable inside or outside the opening.
The insect screen and the blind are fully recessed in the frame on all sides.
The S4 screen is the **only** screen solution for folding/sliding, three-sash and corner frames.

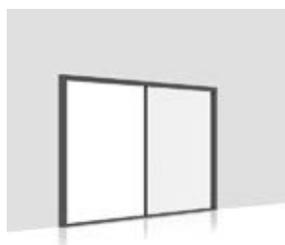
 *Design Award Red Dot: Best of the Best*



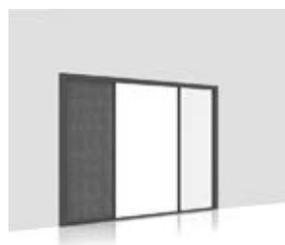
NO CORNER (TWO SCREENS THAT MEET AT 90-DEGREE OPENING)



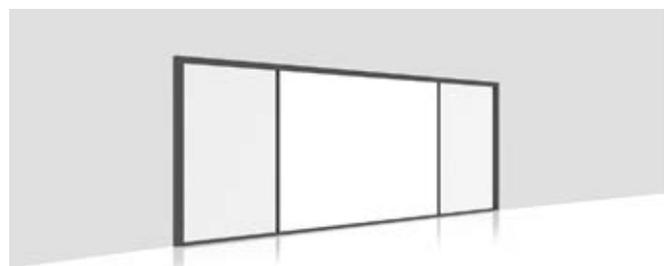
NO CORNER (TWO BLINDS THAT MEET AT 90-DEGREE OPENING)



SINGLE
(COVERS THE ENTIRE OPENING)



COMBINATION
OF TWO TYPES OF FABRIC



DOUBLE (TWO SCREENS THAT MEET AT 90-DEGREE OPENING)



The logo for 'adoremore' is displayed on a dark blue rectangular background. The word 'adore' is written in white lowercase letters, and 'more' is written in green lowercase letters.

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