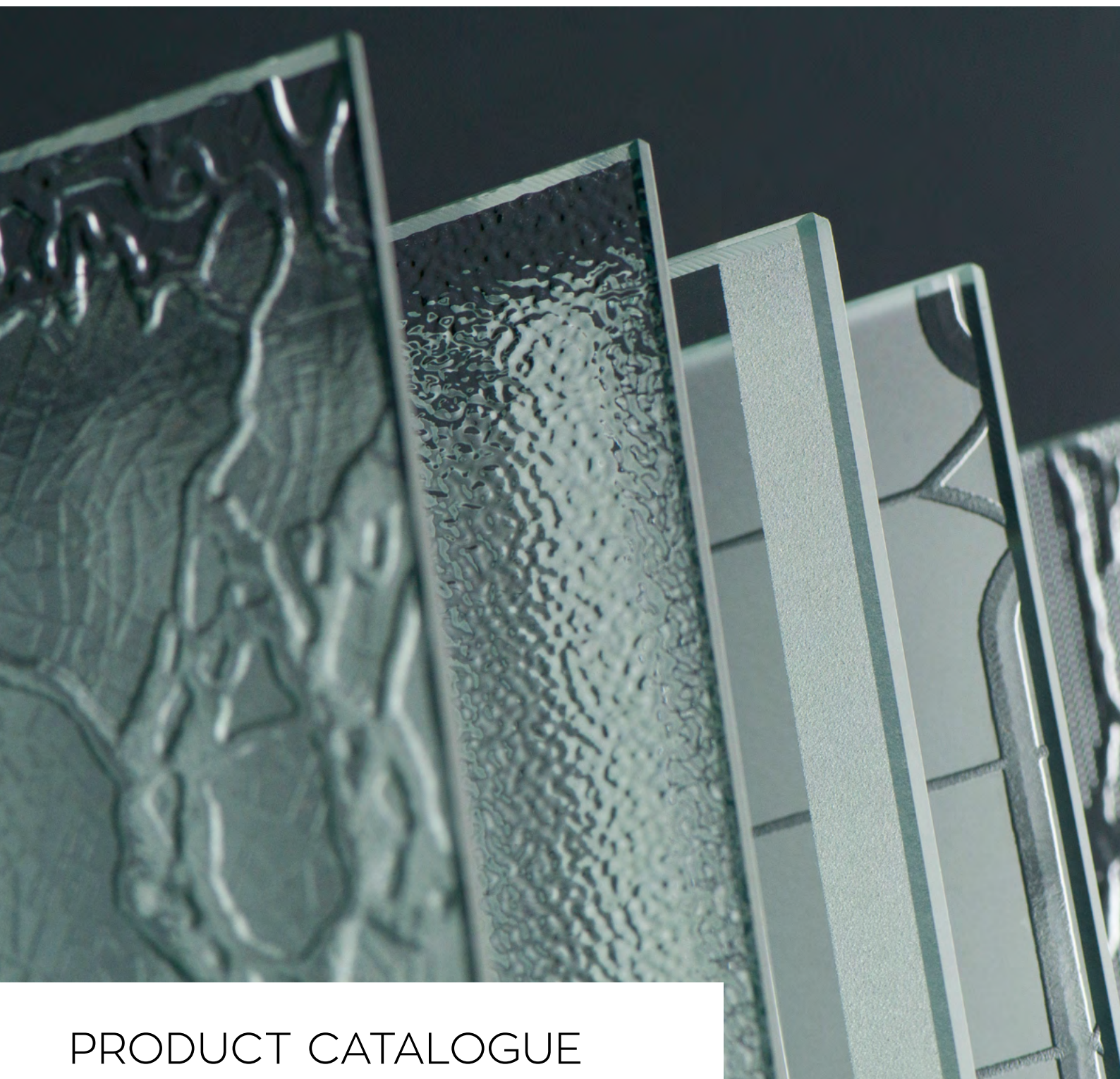




**THERMOPLASTIKI**

[www.thermoplastiki.gr](http://www.thermoplastiki.gr)



## PRODUCT CATALOGUE **GLASS PANES**

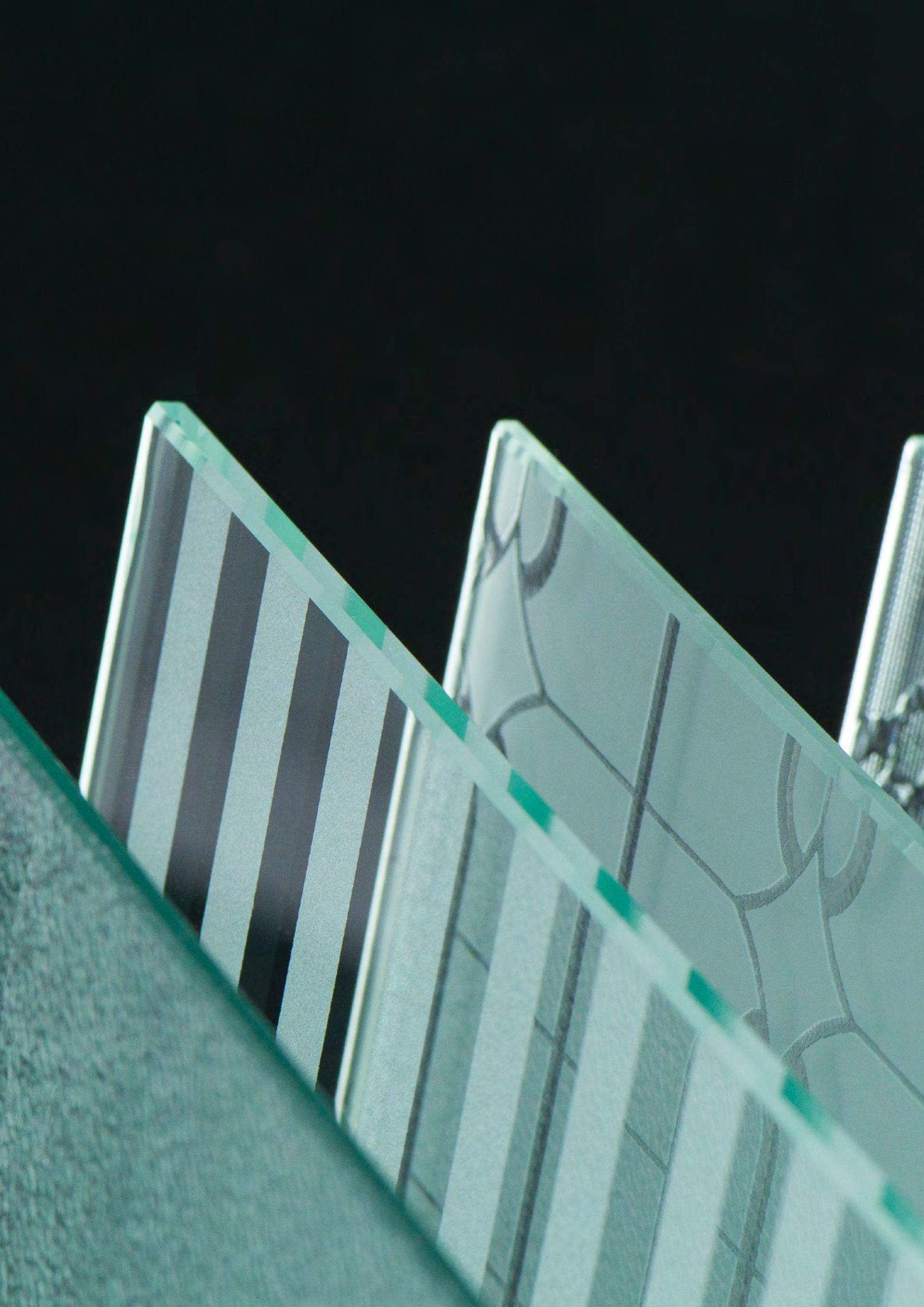
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SOLAR MORE | TRIPLEX | SPECIAL PURPOSE GLASS



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# TOP GLASS PANES

Thermoplastiki is here to cover all the needs of each frame's fitting spot separately, with the most suitable glass pane for each case. From the most advanced energy properties of solar more glass panes to the specialised functionality of the special and triplex glass panes, our goal is to offer full functionality that will upgrade both the space and the quality of life in it.

Moreover, as far as functionality is concerned, offering the option of installing a double or a triple glass pane, Thermoplastiki can fully cover combined needs of a space, thanks to the certified glass pane solutions it offers for any frame, thus multiplying their performance.



**MANUFACTURED BY  
THERMOPLASTIKI**

The product is manufactured in accordance with the quality and reliability standards of Thermoplastiki



**INCOMPARABLE  
THERMAL PROTECTION**

Top thermal insulating features.



**HIGH  
DURABILITY**

Long life span and great resistance to damage.



**TOP  
SAFETY**

Maximum burglary protection.



**INCOMPARABLE  
SOUNDPROOFING PERFORMANCE**

Safeguard your space from disturbing noise pollution.



## GLASS PANES **SOLAR MORE**

Thermoplastiki combines the certified energy identity of its frames with the technology of solar more energy efficiency glass panes. The result of this combination is the establishment of further specifications, even those of the ultimate energy efficiency models of PassiveHouse and Energy House (Near Zero Energy Building), offering real benefits to everyday life.



#### TOP THERMAL INSULATION

Top thermal insulating features.



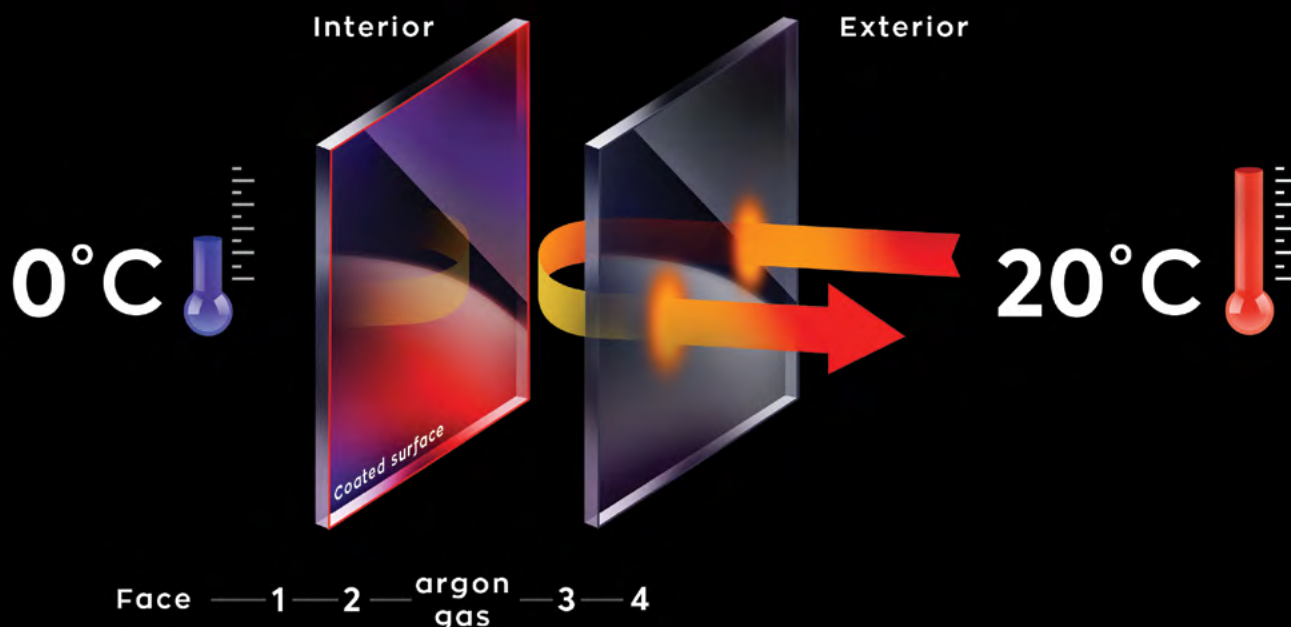
#### COST & ENERGY SAVING

Unique energy and cost savings.



#### PROTECTION FROM UV RADIATION

An ideal solution for the Mediterranean climate zones, as it is a protection shield against UV radiation.



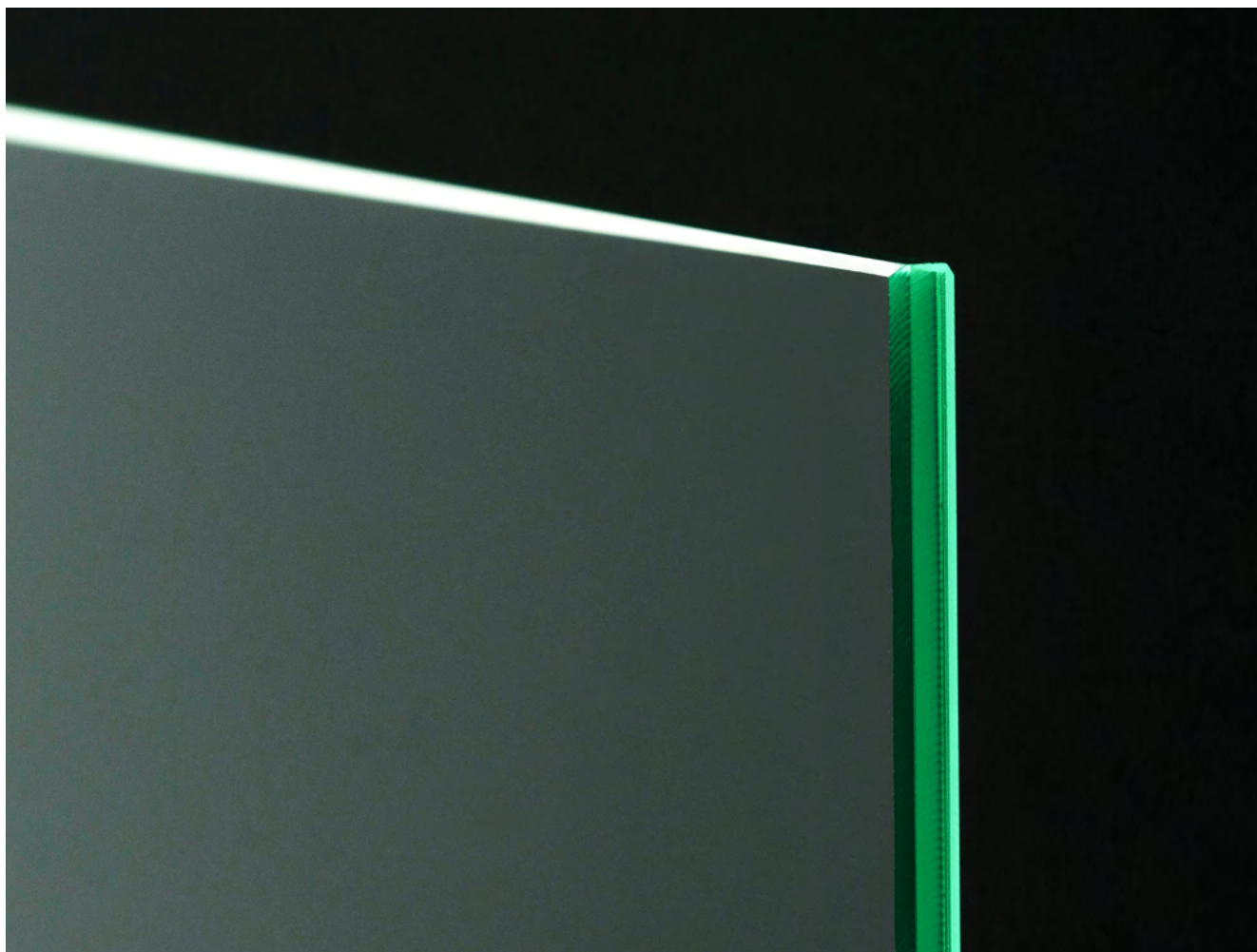
solar | more

## TECHNOLOGY SOLAR MORE

Solar more energy glass panes are only used for the creation of a new window or door system, thus being the best choice for the highest energy applications. By adding the inert gas argon between the layers of the glass panes, as well as the thermix warm edge spacers, we improve the Ug coefficient. At the same time, however, the properties of the final set can be enhanced, choosing to install a double, triple or triplex energy efficient glass pane.

Transparent metal coating that covers the inaccessible surface of the glass pane placed inside your space, together with help from the argon noble gas between the solar more system glass panes, deliver excellent thermal insulation and prevent heat loss. At the same time, they effectively control heat from the sun, reflect UV rays and allow the heating power and sunlight to enter your space freely. This way, they help maintain the room temperature and save on heating or cooling costs, all year long.





Diffusion\* **65%**  
Solar factor\*\* **0.43 (40%)**  
U-value\*\*\* **1.1W/(m<sup>2</sup>K)**  
(4/15/5 solar more + argon noble gas)

\*

The rate of sunlight penetrating a glass pane and entering your space.

\*\*

The Solar Factor measures the percentage of solar heat that penetrates the frame's glass and reaches the interior. The lower the index, the more effective the sun protection provided by the window frame.

\*\*\*

The U-Value measures the amount of internal heat that penetrates the glass pane of a window and escapes. The lower the index, the smaller the losses, and thus the higher the thermal insulation strength.



## GLASS PANES **TRIPLEX**

Triplex glass panes are Thermoplastiki's reinforced protection and security solution. A special multi-level structure delivers the final properties of the product, depending on the needs of your space. This product is a completely specialised solution, to meet the complex needs of your daily life.

### **CONSTRUCTION**

The Triplex glass pane consists of multiple glass layers, which are merged under high pressure and temperature, with inner composite film layers. The purity of materials and our high expertise help us deliver an aesthetically flawless end-product, without compromising visual clarity for the sake of application.





#### TOP SAFETY

Maximum protection and available bullet-proof structure.



#### INCOMPARABLE SOUNDPROOFING PERFORMANCE

Protection from disturbing noise pollution.



#### MAXIMUM PROTECTION FROM WEATHER CONDITIONS

Incomparable sealing for protection against any weather conditions.



## AVAILABLE TYPES **OF TRIPLEX GLASS PANES**



### **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 protect against burglary, even when broken.

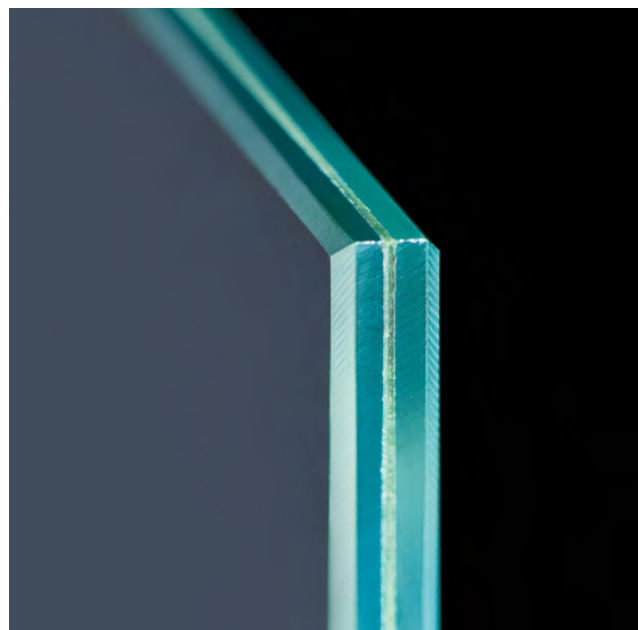


### **Sound-proof structure**

Triplex protection is not only about protection against physical damage. Sound proofing is one more property of our wide choice of multi-layered glass panes.

The excellent absorbency of the composite material creates a shield and blocks sound waves, to provide a peaceful interior, free from any external disturbance.





### Solar more – Energy structure

Our solar more solutions can be also applied to triplex energy-efficient glass panes, adding the energy efficiency property to their safety features. We thus enhance energy saving. Which translates to important benefits in terms of economy, preservation of the building value and energy identity. Furthermore, featuring argon gas in their inner inaccessible side, and due to their structure, triplex solar more energy-efficient glass panes prevent UV rays from penetrating and entering your space.



### Wind-resistance structure

Featuring anti-cyclone protection with the right reinforcement components, our resistant multi-layered glass panes can protect your space even from strong wind gusts.



## GLASS PANES **SPECIAL-PURPOSE GLASS**

We are always one step ahead in technology developments, to offer you solutions that meet even your most specific needs. You may now optimize integrated frame systems by adding relevant special-purpose glass panes to meet your exact needs and expectations.

### **CONSTRUCTION**

Through a special manufacturing process and subsequent treatment, special-purpose glass panes can meet the needs of both households and businesses, to ensure quality and protection.





**SPECIALISED  
FUNCTIONALITIES**

Glass pane solution for specific needs.



**UNIQUE  
MATERIAL QUALITY**

Premium quality materials and structure.



**CUTTING-EDGE  
TECHNOLOGY**

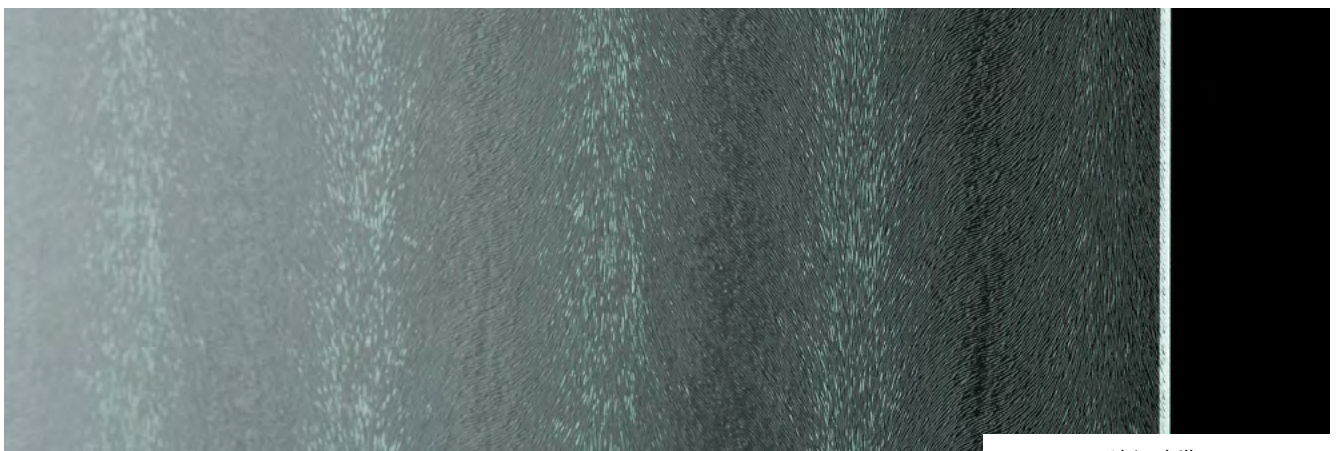
The epitome of technology in glass panes.



Satin sandblasted



D. Matte



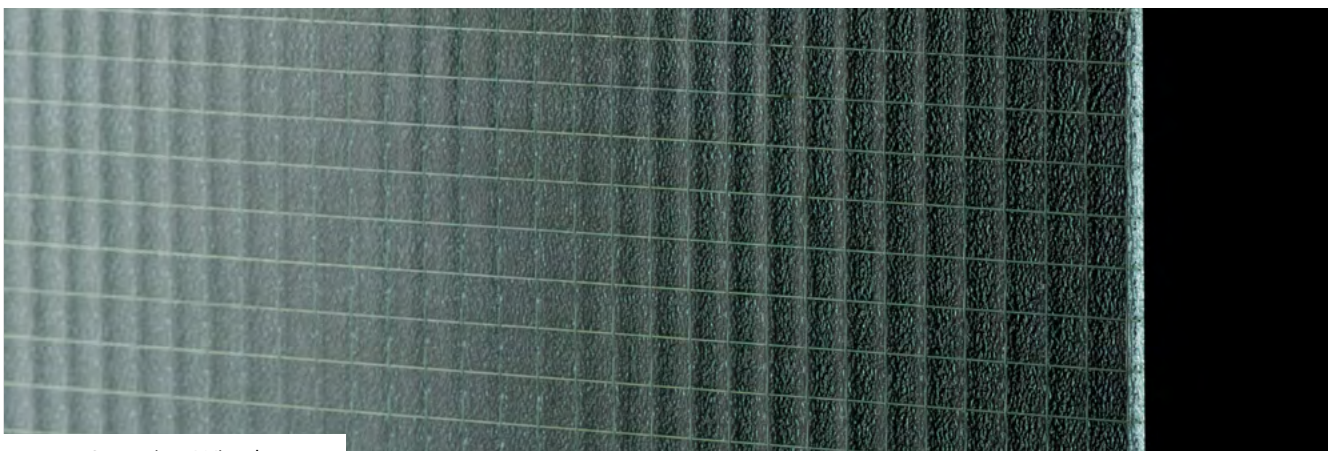
Chinchilla



Frost stripes



Grain



Georgian Wired



**THERMOPLASTIKI S.A.**

Tel.: **+30 2510 391 706**

Fax.: **+30 2510 391 087**

Address: **Amigdaleonas - Kavala**

P.C.: **640 12**

Email: **info@thermoplastiki.gr**

**f** : **thermoplastiki**

website:

**[www.thermoplastiki.gr/en](http://www.thermoplastiki.gr/en)**