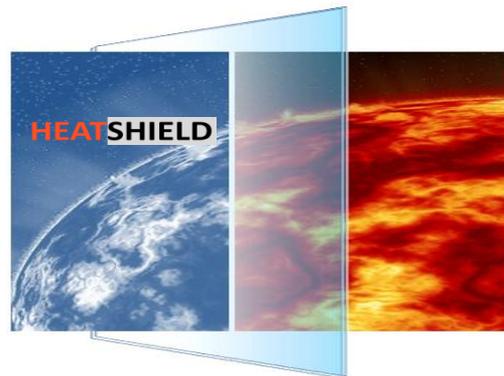


Tecnadis HEATSHIELD, the new product from TECNAN

Heat barrier product for glass which reduces air conditioning consumption by up to 60%. The most advanced in the world in its category.



Tecnadis **HEATSHIELD** is a **heat barrier coating for glass surfaces**, which avoids excessive heating of the interior spaces exposed directly to the sun, thanks to its ability to block solar infrared radiation through windows, windshields or any glass surface.

Applying TECNAN's solution to the glass, it is possible to achieve **temperature reduction rates around 25 %**, and **energy saving levels of 50-60 % approximately** in air conditioning, making the spaces more comfortable and achieving very significant cost savings.



Characteristic of product

- ✓ **Easy application** by conventional coating or painting techniques (air gun) or by spreading tools (cloth, sponge, among others).
- ✓ **Temperature reduction around 25 %** in glazed living spaces exposed to the sun, being possible to increase the infrared radiation (IR) block applying additional layers.
- ✓ **Important energy and air conditioning costs savings** in glazed spaces. Reduction of energy requirements can reach levels of 60 % in living space's cooling. *(Example: energy savings for cooling at 23° C a 200 m³ treated space at 30° C, in comparison with a not treated space at 40° C (25% of temperature difference), will be approximately 60 %:*
 - NOT TREATED T° initial: 40°C 1966,5 Kcal (7803,8 BTU)
 - TREATED T° initial: 30°C 809,7 Kcal (3213,3 BTU)
- ✓ **Highly competitive and affordable price** thanks to its high performance of 35 m²/l for a standard protection layer and the important associated energy saving.
- ✓ **Total transparency**, the glass's visual appearance remains unchanged after the treatment.
- ✓ **10 years durability**: the product has total resistance to UV radiation. In addition, it is resistant to conventional cleaning processes, cleaners and specific detergents for glass. The product keeps its IR transmission block properties unchanged for 10 years under appropriated conditions of use and application.

Successful applications

The product is directly applicable to **every glazed surface**.

The **simplicity and versatility** of the product's application methods (spray gun or other tools) make it easily applicable in large surfaces (glazed buildings).

As an example, the pictures show the application of Tecnadis HEATSHIELD in a representative building like the **Palace of Congresses and Auditorium BALUARTE** of Pamplona:



Palace of Congresses and Auditorium BALUARTE, Pamplona

Tecnadis HEATSHIELD advantages compared to other techniques

ADVANTAGES OVER ITS COMPETITORS	<i>Tecnadis HEATSHIELD</i>	<i>Other liquid products</i>	<i>Plastics films</i>
APPLICATION	Conventional air-gun, articulable sponge or similar	Pouring the product over the glass "cascade". Complex application: is not suitable for large glasses and limited spaces.	Complex and tedious
PROTECTION RATE	Tunable, very high	Limited	Limited
BLOCKING CAPACITY	Adjustable applying additional sprayed layers	Not adjustable	Not adjustable
COLOUR	Imperceptible change	Gets dark	Gets dark
ADHERENCE	High adherence	-	Fixation with adhesive, limiting adherence capacity
UV RADIATION RESISTANCE	Totally resistant	UV resistance dependent on the plastic matrix used	Not resistant. Crack and turn yellow
VISIBLE RADIATION	Visible transmission of approx. 90%	Limit light transmission	Limit light transmission
PRICE	Consumer affordable, about 10 times lower than some competitors	Variable from high to extremely high	High

The most advanced IR blocker for glass in the world!