

# HEATSHIELD

# NANO TECH

*Ultimate heat-barrier  
treatment for glass*



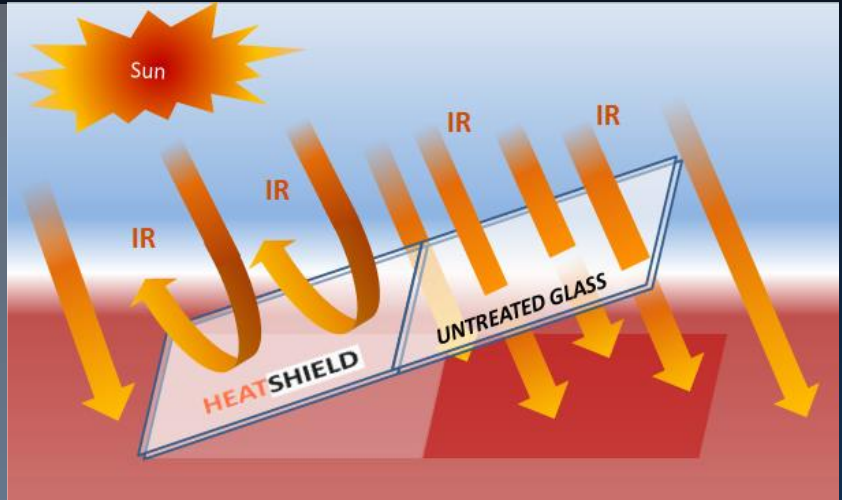
- *Reaches a blocking of solar energy of 45-50% aprox. (for a standard protection layer).*
- *Energy savings up to 60% approx.*
- *High resistance to UV radiation*

# What is HEATSHIELD NANO TECH?

## HEATSHIELD NANO TECH

Is an innovative **nano-technology based coating** which blocks out the passing of Infrared (IR) solar radiation.

Its outstanding blocking capacities of the solar energy achieve to avoid the pass of the 45-50% of the radiation, reducing air conditioning demands in glass buildings.



## Advantages

### BLOCKING OF THE SOLAR ENERGY GRADUABLE

THE TREATMENT BLOCKS A 45-50% APPROX. OF THE SOLAR ENERGY (FOR A STANDARD PROTECTION LAYER), BEING THIS RATE ADJUSTABLE BY THE AMOUNT OF PRODUCT DEPOSITED OVER THE GLASS SURFACE

### VERY EASY TO APPLY

VERY EASY TO APPLY WITH A **PRESSURE AIR GUN** OR **USUAL CLEANING TOOLS** (ARTICULATED SPONGE, CLOTH, ETC). UNLIKE OTHER PRODUCTS CURRENTLY AVAILABLE IN THE MARKET, «CASCADE» METHOD IS NOT NECESSARY IN THIS CASE.

### TOTALLY TRANSPARENT

THE COATING **KEEPS UNALTERED THE VISUAL APPEARANCE** OF THE GLASS.

### HIGHLY DURABLE

**RESISTANCE TO CONVENTIONAL CLEANING PROCEDURES** WITH CLEANERS / CHEMICAL PRODUCTS, KEEPING UNALTERED ITS BLOCKING CAPACITIES. ALSO RESISTANT TO UV RADIATION, UNLIKE FILM-BASED AVAILABLE SOLUTIONS. **DURABILITY: 10 YEARS** UNDER PROPER APPLICATION AND USAGE CONDITIONS.

### IMPORTANT ENERGY SAVING

ENERGY CONSUMPTION REQUIRED FOR COOLING A ROOM IS SIGNIFICANTLY LOWER THAN UNTREATED GLAZED SPACES. THE COATING ACHIEVES **SAVINGS RATES IN AIR CONDITIONING OPERATION SYSTEMS UP TO 60% APPROX.**

### HIGHLY COMPETITIVE PRICE

ITS **HIGH PERFORMANCE (25 m<sup>2</sup>/L or 40 ml/m<sup>2</sup> for a standard protection layer)** AND EFFICIENCY MAKE IT ONE OF THE MOST EFFECTIVE SOLUTIONS CURRENTLY AVAILABLE IN THE MARKET.

# Application



1. To prepare the surface it is necessary to carry out a thorough cleaning. It is possible to use a an abrasive-type polisher with micro-particles, a powerful detergent or other means. it is always recommended to finish the preparation by covering the surface with alcohol.
2. It is recommended to apply the product using a pressure air gun.
3. Product yield approx.  $25 \text{ m}^2/\text{l}$  ( $40 \text{ ml}/\text{m}^2$ ) for a standard protection layer. Possibility of augmenting the blocking rate by applying additional layers of the product.
4. Fast drying to touch at room Temperature, performing blocking immediately. Do not subject the glass surface to any abrasive process or cleaning during the first 5 days.

## ¿Why HEATSHIELD NANO TECH?

Energy consumption required to cool  $200 \text{ m}^3$  up to  $23^\circ \text{ C}$ :

UNTREATED → Starting  $T^a$   $40^\circ \text{ C}$ : 1966,5 Kcal (7803,8 BTU)

TREATED → Starting  $T^a$   $30^\circ \text{ C}$ : 809,7 Kcal (3213,3 BTU)



*“A  $10^\circ \text{ C}$  reduction implies in this case an energy saving of 60% approx”*

- ✓ Easy to apply
- ✓ Excellent IR blocking behaviour
- ✓ High energy saving

*“Keep your places cool before summer arrives!”*



**Totally transparent**

**Easy to apply**

**Energy savings**

**High resistance to conventional cleaning procedures**

**Resistant to UV radiation**

