



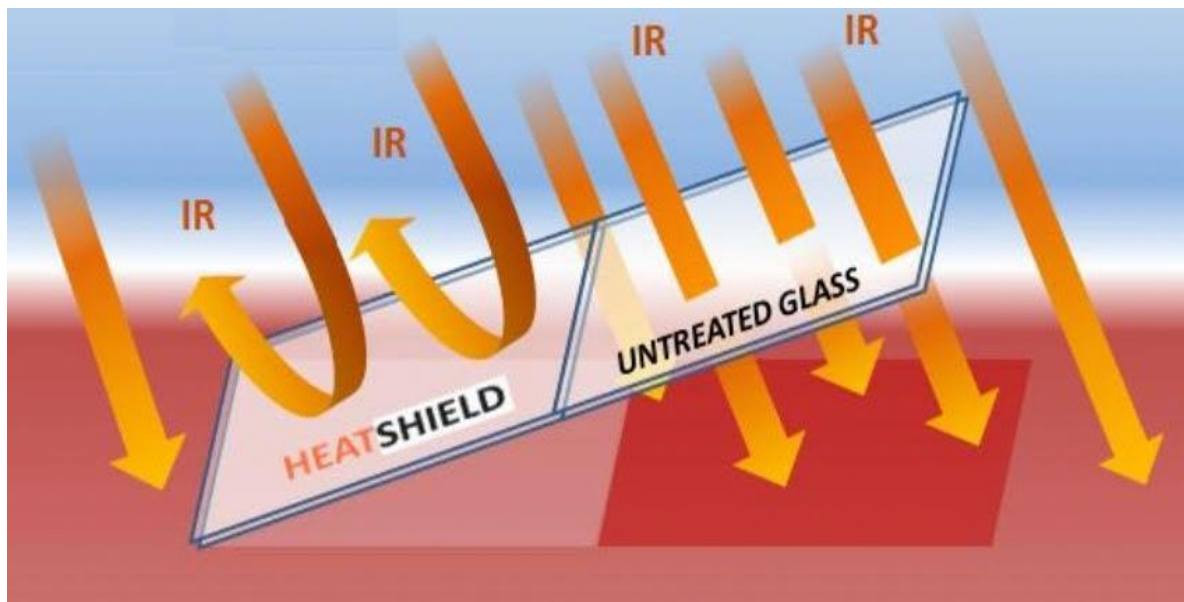
Tecnan Heatshield

Our **transparent thermocoating** is made for **glass** surfaces to form an ultrathin film to block out infrared radiation. And it works in different directions.

The product avoids excessive increase of temperature inside spaces directly exposed to sun, blocking the transmission of the heat frequencies from the outside. On the other hand our product is blocking the infrared radiation of the heated room through the glass, to keep the warmth, when it is cold outside.

Saving a pleasant atmosphere, our coating is reducing the costs of heating and cooling systems. Already the first layer is blocking 45 to 50% of the infrared radiation. Of course it is possible, to put an additional layer on, to increase the isolation effect.

Tecnan-CE Heatshield is proper for all kind of windows, windshields or any glass surface.



The properties at a glance:

- The high efficiency is reducing energy and saving costs up to 60%.
- The coating is resistant to abrasion, chemical cleaners and to UV radiation.
- The appearance of the product is totally transparent.
- Easy application with pressure air gun
- Long lifespan (at least 10 years)
- Low material consumption (per layer approximately 25m² / l)

Composition:

Our product is a two-component-coating, consisting glass nanoparticle dispersion treated with active agents and other ingredients necessary for the final formulation.



Application:

The mixing of the components has to be done 24 hours before the application. Beforehand dust and oil needs to be removed from the surface (for example while a glass cleaning process).

The required equipment: a pressure air gun.

It is recommended to apply in Temperatures between +5 °C and +30 °C.

The amount of 1 liter is suitable for 25 qm.

Examples of usage:

Living, working and public spaces:

- glass roofs
- windows

Passenger traffic:

- Cars
- Busses
- Trains
- Ships
- Airplanes

Technical Equipment:

- Refrigeraters with glass door
- refrigerated counters in food shops etc.

Physical and chemical properties:

Colour:	bluish transparent
Active ingredients:	<45% wt
Volatile Organic content: (VOC):	>50% wt
Density:	0,93 g/ml
Viscosity:	4,07 cP
Boiling point:	+78 °C
Flash Point:	+11,85 °C
Organic solvents:	Isopropanol Ethanol

