

NANOTECH SOLAR

Technical Sheet n° 667 Rev. 03/06/2014

Anti-soiling nanotechnology treatment for solar panels and photovoltaic systems

APPLICATIONS:

Nanotech Solar is a product based on special nanotechnology additives able to give a strong anti-soiling and anti-fog effect to the treated surfaces. The adhesion of smog, mud, lime-scale and other types of dirt decreases strongly and the water in all its forms (rain, water vapour, dew, frost) is deposited uniformly, evaporating more quickly without forming macroscopic drops, avoiding almost totally lime-scale stains. Due to these characteristics, Nanotech Solar is particularly suitable for the maintenance of solar panels transparent surfaces, increasing their average yield. It is in fact known that even a thin layer of dirt reduces the irradiation of the panel surface by several percentage points.

The anti-soiling effect tends to increase after each treatment.

METHOD OF USE:

Preparation of the surface: this must be perfectly clean and degreased. Degreasing can be performed with a specific cleaner like our Deter Solar.

Distribute abundantly Nanotech Solar on the surface to be treated. It is very important to take care of the uniformity of the application, so as to reach the entire surface of the panels.

The application can be carried out with manual means (cloths, brushes) or automated (sprayers, high pressure lances). To increase the effectiveness and the duration of the treatment, pass over the surface of the panel with a cloth or a sponge brush before the product completely evaporates.

Apply the product on cold panels (preferably carry out the treatment early in the morning).

Yield: variable according the application method, usually up to 25-30 m² per litre of product.

TECHNICAL CHARACTERISTICS

pH	10
Colour	Colourless
Density (20°C)	1.010 g/cm ³