

Data sheet solar

TECNOCLEAN solar for covering glass of solar and photovoltaic panels
Code 33/02 / 05S

DATA SHEET

TECNOCLEAN solar is a professional treatment and can be applied to all glass surfaces.

One of the main causes of loss of efficiency of photovoltaic panels and solar cells are the dust present in the air,

smog and pollution in general, animal excrements, fats, other crystallized organic residues and limestone and sodium deposits.

This opacification of the surface of the covering glass reduces the passage of light radiation and the consequence

of all this is a progressive conversion factor of the device that can decrease by considerable percentages. Only with a surface that is always clean, not obscured by dirt and dust is the maximum yield possible, the possibility of converting the maximum of sunlight in electricity. An ever cleaner surface can increase the yield and efficiency of solar panels and solar cells up to 15% - 25%.

The advantages of the TECNOCLEAN solar treatment

It increases the standard output and therefore the efficiency of the panels

Protection against smog, organic residues, deposits of dirt, limestone

The treated surfaces remain cleaner (lotus effect) longer

Lengthening of maintenance and cleaning times fast and easy

Protection against scratches

UV stability

Long duration of treatment

The treatment does not attack silicone gaskets

Easy application on new panels, application on the panels used after thorough cleaning.

TECNOCLEAN solar nanotechnological treatment, perfectly tuned to the glass surface of the solar panel,

contains an antistatic active ingredient that prevents the firm adhesion of particles of any kind on the surface of the covering glass, even with rain or jet water the self-cleaning effect is mobilized - which prevents the formation of encrustations and lengthens the time of maintenance. The future cleaning of the panels will generally be easier and even faster to perform.

TECNOCLEAN solar is a completely transparent coating, it is ultra-light with 100 NM of thickness, it is not film-forming, it does not contain silicone and therefore the treated surface will never become yellow with the passage of time.

The application is implemented within a reasonable time. The duration of the treatment is excellent, since the solar panels are not stressed by abrasive and harmful treatments.

The TECNOCLEAN solar treatment does not attack the silicone seals of the solar panel. In rare cases it may leave a darker halo on the aluminum / metal coatings, but it does not alter the operation and performance of the panels.

The treatment is NOT toxic and can be repeated without contraindications to the first signs of abrasion; overlapping treatments do not increase its efficiency or duration.

It is important to remember that some behaviors can compromise the duration:

- autoclaving;
- the use of caustic detergents or abrasive sponges;
- prolonged stay in contact with alkaline solutions.

Do not affect the efficiency of the treatment instead:

- washing also repeated in the dishwasher at 70 °
- detergents, disinfectants, dyes, acids.

Performance: spray: 40-45 sqm / liter - buffer: 65 - 75 sqm / liter

Packaging: 5/10 liters tank

WARNINGS

KEEP OUT OF THE REACH OF CHILDREN

THE PRODUCT MUST BE USED EXCLUSIVELY WITH PROTECTIVE GLOVES AND GLASSES AND IN A SAFE ENVIRONMENT, AVOIDING DIRECT INHALATION.

ATTENTION TO THE PRODUCT SAFETY DATA SHEET.

DO NOT USE ON CHROMATIVES, ALUMINUMS AND PLASTICS AS WELL AFTER THE APPEARANCE.

IN CERTAIN CASES YOU CAN LEAVE A MORE DARK ALONE ON ALUMINUM OR METAL COVERINGS, WHICH DOES NOT ALTER THE FUNCTIONING AND PERFORMANCE OF SOLAR PANELS.

INSTRUCTIONS FOR USE

Shake the product before use.

The product must NOT be stretched with other substances or water.

It is applied directly on new substrates, without the need for special preparation and cleaning treatments. For the substrates used before the application of the TECNOCLEAN SOLAR treatment a deep cleaning with REMOV Gel is necessary (in the case of very resistant dirt we recommend SUPERGLASS) to remove all limestone and resistant dirt.

1. apply the product abundantly and evenly on the perfectly clean and dry surface by means of a cotton wool pad (= cotton wool), soaked with the TECNOCLEAN solar product. If the metal or plastic of the frame profiles is wet, wipe off with a dry cloth immediately during work, it could stain

It is very important to use a cotton pad and put a generous amount on the glass or ceramic of product and spread it evenly to see the wet glass and ceramics of product

If the product is too little, the right reaction does not happen, only an abundant amount applied, it manages to close the roughness of the glass and makes the surface repellent-repellent leave to dry for about 30-40 minutes until dry surface, if the environment is humid requires more time. 2.

Remove the remains of the treatment that are excess in the glass with a dry cotton cloth and with circular movements. Do not use water at this stage of the treatment. 3. Wait for min. 3 hours or more, ie until the definitive end of the catalyst process, then wash the treated surface with water with the addition of a little neutral detergent. 4. Then dry the treated surface. The water does not flow well - the reasons are: 1) the glass was not perfectly clean before the treatment 2) given with cotton swab too dry, ie not abundant enough: then redo the treatment as per instructions for use above 3) in most cases the treated surface has not been well rinsed - the residue of the excess product stops the drops from falling - then proceed to a further washing with water and dish detergent. And the problem will be solved. Information for the industrial application: The treatment can be used by spraying (nozzle 0.8 / 0.9), but likes a small pass to sprayed glass swab. This is to increase adhesion if the glass had before the treatment of the obvious handprints or greasy halos. -

In the industrial production line it is possible to accelerate the catalysing of the treatment with permanence in ventilated oven at 45/50 ° C for 1 - 3 minutes (depending on environmental factors such as humidity). - after treatment, with a dry surface and finished catalysis, the treated glass can be safely washed in the washing machine. Treatment for tampon application and cleaning: estimated time: 2 square meters every 5 minutes.

TECNOCLEAN solar treatment on used surfaces: Before starting the treatment it is absolutely necessary to remove all limescale deposits and other residues from the surfaces, using an anti-scale product or REMOV Gel (in the case of very resistant dirt we recommend SUPERGLASS). limescale or dirt makes treatment unnecessary. After removing all the dirt with the utmost care, dry and proceed with the TECNOCLEAN solar application following the instructions above for the treatment of new surfaces. Duration: the duration of the treatment varies from 3/5 years depending on correct application and correct maintenance which are essential reasons. Laboratory tests have also shown a duration of up to 8 years. PRODUCT TYPEcod. 33/02 / 05S