



**IMPASOLAR**<sup>®</sup>  
protection of solar panels

# IMPASOLAR CATALOGUE

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**IMPASOLAR PRODUCTS FOR OPTIMAL  
PERFORMANCE AND LONGER LIFETIME OF  
PHOTOVOLTAIC OR SOLAR PANELS AND FOILS.**

# DEGREASER AND CLEANER



## What to ensure before installing the panels?

We recommend protecting the roof surface before installing the panels by using the Impaguard D 401 together with the Impaguard 222, which will provide protection against water, pollution and algae, moss and lichens, with a minimum lifetime of 15 years.

## THE FIRST STEP - DEGREASER AND CLEANER

### Impasolar® OSC

**A POWERFUL AND FAST DEGREASER AND REMOVER OF DIRT FROM SOLAR OR PHOTOVOLTAIC PANELS AND FOILS  
MANUAL APPLICATION**

IMPASOLAR® OSC is an absolutely safe residue-free degreaser with high degreasing power and optimal evaporation time (10-15 min). Designed to prepare the surface before the application of Impasolar® NCR ceramic protection.

Easily removes biological contamination, preservatives and transport waxes used to treat panels, also removing contaminants (e.g. adhesive residues from adhesive tapes and cover sheets).

Features unique surface tension and improved surface adhesion.

Anti-corrosive, without aggressive odour. Has no CLP symbol or H phrase.

Highly biodegradable and does not pollute the environment.

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### Impasolar® VCO

**SOLAR AND PHOTOVOLTAIC PANEL CLEANER WITH ANTI-POLLUTION COATING  
HIGH PRESSURE APPLICATIONS, ULTRA CONCENTRATE**

IMPASOLAR® VCO is a special non-foaming photovoltaic and solar panel cleaner with a protective nano-coating against contamination. It removes organic and inorganic contamination (pollen, dust, bird droppings, bee wax, traffic film, grease, combustion fumes, sand, etc). It leaves no traces of rinsing, the surface beautifully polished without mechanical effort.

In a single action, it cleans, restores dull surfaces and at the same time applies a protective nano wax film that polymerizes into an anti-static final surface. Slip resistance is increased and dirt is prevented from adhering, increasing the panels' production performance.

The formed ultra-thin hydrophobic layer also protects against mineral deposits. Ideal for surface preparation prior to the application of Impasolar® ROV and VOV protectors.

# PROTECTION

## THE SECOND STEP - PROTECTION

### Impasolar® NCR

#### PERSISTENT CERAMIC PROTECTION FOR SOLAR AND PHOTOVOLTAIC PANELS

**IMPASOLAR® NCR is ceramic hydrophobic and oleophobic hardening protection for solar and photovoltaic panels. One treatment will provide protection for up to 5 years!**

It forms an invisible ceramic layer on the surface with excellent long-term protection against water, fly dust and sand, pollen, air pollution, greasy traffic film, bird and insect pollution, as well as mineral deposits. The nano-protection created smooths the micropores on the surface and makes the surface (glass, plastic, film) smoother. It creates a separation layer, reducing snow and ice. Snow/ice does not stick to the surface, thaws faster and the panel's production performance increases. Due to its self-cleaning effect, Impasolar® NCR significantly increases panel production performance. The treated panel is essentially self-cleaning, due to the invisible nano layer, any dirt in the rain will pack onto the water beads and simply run off the surface. The **9H hardness ceramic coating hardens** the surface, then resistant to abrasion and weathering, thus significantly extending the life of the panels. It guarantees 100% light transmission, resists high temperatures and sudden temperature changes. For areas where sand abrasion is a problem, we highly recommend the Impasolar product HCR, which has the highest abrasion resistance of 10H.

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### Impasolar® ROV

#### NANOPOLYMER HYDROPHOBIC PROTECTION OF SOLAR AND PHOTOVOLTAIC PANELS MANUAL APPLICATION

IMPASOLAR® ROV is a **nanopolymer hydrophobic protection** for solar and photovoltaic panels **for handheld applications**. It forms an invisible hydrophobic layer on the surface with protection against water, fly dust and sand, pollen, air pollution, greasy traffic film, bird and insect pollution, as well as mineral deposits. The treated panel is essentially self-cleaning. Thanks to the invisible nano layer, any dirt will pack onto the water beads in the rain and simply run off the surface. Due to its self-cleaning effect, IMPASOLAR® ROV significantly increases

the production performance of the panels. Guarantees 100% light transmission. The treatment will provide protection for up to 6 months, depending on weather conditions.

### Impasolar® VOV

#### NANOPOLYMER HYDROPHOBIC PROTECTION OF SOLAR AND PHOTOVOLTAIC PANELS HIGH/MEDIUM PRESSURE APPLICATION, ULTRA CONCENTRATE

IMPASOLAR® VOV is **nanopolymer hydrophobic protection** for solar and photovoltaic panels **for medium and high pressure applications**. The product has the same properties as IMPASOLAR® ROV. It is an ultra-concentrate.



## WHY IMPASOLAR CLEANERS AND PROTECTORS?

The cleaners perfectly clean surfaces, and the nano protectors then protect them against water, fly dust and sand, pollen, air pollution, greasy traffic film, bird and insect pollution, as well as mineral deposits (hard water washing). All dirt is packed onto the water beads in the rain and simply runs off the surface. The ceramic coating offers abrasion resistant protection while allowing 100% light to pass through.

### Manufacturer:

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### Representation:



**Clean and protected panels = higher performance, money-saving**