

# Solar Wash Protect 50

## Datasheet

### Description

SOLAR WASH PROTECT 50 is a concentrated product which must be diluted in water to form the SWP solution.

This SWP solution is used to wash photovoltaic solar panels and its quick action makes it easy to clean all kinds of dirt. After the efficient washing it leaves on the solar panel a surface protection that will not allow the dirt to adhere so easily, protecting the solar panel from scratches and avoiding the fast decrease of solar panel power output due to soiling accumulation.

### Dilution Specifications

1 kg of SWP 50 to 50 litres of water.

### Applications

This product was developed to be used in washing of photovoltaic panels, facilitating its maintenance.

It can be used also to clean mirrors or lenses of Concentrated Solar Power systems (CSP).

### Instructions of Use

1. **Dilute/mix** the SWP concentrated product with water in the right mixing ratio, to create ready-to-use SWP washing solution;
2. **Use** the SWP washing solution directly in the **dirty solar panels**;
3. **Brush** the entire surface of the modules in order to **remove or loose** the dirt present in the solar modules;
4. **Rinse** the panels with water to remove any dispersed dirt or excess of product left on the panels;
5. **Let it dry** on its own or remove the water with a Squeegee.

#### Important













**NOTE:** Apply or use the SWP washing Solution (after dilution) directly on the **dirty solar panel**;

**NOTE2:** After the scrub/brush step the **rinsing with water final step** is crucial for having the expected and good results.

Compatible  
Applying/Cleaning  
Equipments

Industrial sprays, Manual brush, Hoses, Rotative brushes, Robots, Tractors with brushes, etc.

Soiling and  
Contaminants  
Performance Table

Soiling	
Bird droppings	
Soil	
Sand	
Clay	
Carbon (e.g. exhaust gases)	
Coal Ash	
Pollen	
Bees' wax	
Decomposed organic material (leaves, flowers, bark, etc.)	
Tree sap / resin	
Salt residues	
Contaminants	
Grease	
Paint	
Aluminium Oxide	use Cement Removal Agent
Rust	use Cement Removal Agent
Cement dust and/or droppings (cured)	use Cement Removal Agent
Lichens	use Lichen Removal Agent
Fungi and moss *	
Bitumen	

\*optimum results with the Lichen Removal Agent

**Important Note:**

The use of the correct equipment (e.g. brush) and the right amount of cleaning product are key to achieve the best results possible. Some types of soiling and contaminants may require a brush with stiffer bristles and/or a higher quantity of Solar Wash Protect per module.



## Comments

Please follow the instructions in the safety data sheet for the safe handling of the product.

## Properties

**Aspect:** Yellowish liquid;

**Odor:** Characteristic;

**pH:**  $7 \pm 1$ ;

**Density:** 1,06g / cm<sup>3</sup>;

**Solubility in water:** Fully miscible.

## Shelf life

**Closed:** 3 years

**After opening:** 6 months

**After dilution:** Use no later than 48 hours after dilution.

## Packaging

5kg and 20 kg transparent drums and IBCs (1000kg bulk packaging containers).

