

WattUp Solar Panel Cleaner

Technical Data Sheet

Removes dirt, cement dust, bird droppings, or other rust stains, grime, heavy deposits, from any solar panel surface. It is readily biodegradable and free of phosphate. Adapted for use in the solar energy industry. Safe for glass, panels, rails and metals.



Characteristics

- "Readily" biodegradable per OECD 301B> 79%
- Effective in both cold and warm water
- Excellent for use in pressure washer and steam cleaning equipment
- It exists in concentrated and ready to use form for increased convenience and economy
- Can be diluted up to 1:100 to provide a single product for all solar cleaning needs
- Non flammable
- Contains no ammonia, chlorinated or petroleum solvents
- Free of phosphate, EDTA, other hazardous solvents
- Safe on most surfaces including glass, panels, rails and metals

Instructions

WattUp is effective in a Ready-To-Use trigger sprayer, and also when used on pressure washers, steam cleaners, dip tanks or as bulk cleaner. Do not use WattUp on leather or non-washable surfaces.

➤ Ready-To-Use

For convenient spot cleaning, simply spray WattUp directly onto the panel surface. Let it sit for a few moments to break down dirt and grime. Wipe away using a clean, soft cloth or a gentle brush.

➤ Concentrated

Use undiluted to remove hard deposits, cement rust, metal dust and other heavy stains from rusting, water grime deposits or bird droppings environments. Wet surface first with water for best results. Apply directly to the surface to be cleaned. Allow to penetrate for a few minutes or more. Rinse with cold water or wipe with damp cloth or sponge. Heavy deposits may require scrubbing with a brush or sponge. Repeat if necessary.

➤ Diluted

Best results are obtained when using warm water (+50°C) for dilution. After application, rinse with cold water. The suggested dilution ratios prepared below are guidelines. Every cleaning application will vary in the amount of soil/stain to be removed. It is suggested to try the lowest (most cost effective) ratio first. If stain removal is not acceptable, repeat washing or increase the strength of the solution.

Contaminant Type	Recommended WattUp : Water Dilution Ratio
Cleaning Sprinkler	1:100 to 1:80
Dust & Debris or Soil Particles	1:100 to 1:75
Saw Dust & Salt Air Particles	1:50 to 1:30
Water Grimes & Mineral Particles	1:50 to 1:30
Bird Droppings	1:30 to 1:20
Rust Stains	1:30 to 1:10
Cement Dust or Heavy Metal Deposits	1:25 to 1:5

Remember, always test a small area first.

Experience WattUp's flexibility in cleaning based on your needs!

Typical Product Data

Test Particulars	WattUp Solar Panel Cleaner
Appearance	Clear, blue
Smell	Soft
Specific gravity (g/cc)	1.01
Initial boiling point (°C)	100
Freezing point (°C)	-2
pH (@ 20°C)	11
Flammability limit	Non-flammable
Solubility in water	Complete
VOC (g/L)	0
Biodegradability (OECD 301B)	>79%

Packaging

➤ **WattUp : 1 x 1 L | WattUp : 1 x 5 L | WattUp : 1 x 10 L | WattUp : 1 x 20 L**



All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.