

Lichen Stain Removal Agent

Technical Datasheet

Description

LRA is a biodegradable cleaner for lichen, moss and algae stains and organic soiling on solar panels, formulated to be as gentle as possible with the module components (ARC, silicone, aluminium frame). It loosens the deposits and breaks the bond between the soiling and the glass so they can be removed by brushing and rinsing. To keep panels cleaner for longer and easier to clean, protect them afterwards with a antistatic coating such as *Antistatic Solar Armor* or a hydrophobic coating as *D-Solar Defendor*.

Dilution Specifications

1kg of product for 10 litres of water

Applications

Cleaning of lichen, moss and algae stains and organic soiling from the glass surface of solar modules. Cleaning product only. Not a biocide or pesticide.

Instructions of Use

1. Dilute the correct amount of product in the water.
2. Spray the diluted product on the problematic areas making sure that all the surface is covered. For severe cases, brush the entire surface to help the LRA reach the glass of the PV module.
3. Let the product soak for 10 to 20 minutes.
4. Brush the area to remove the loosened soiling. If needed, repeat steps 2–4 until the surface is clean.
5. Rinse the module thoroughly with water making sure that all excess product is removed.

Recommended additional step:

6. Apply a coating after cleaning to keep the glass cleaner for longer and easier to clean; soiling adheres less strongly to a coated surface.

Suppliers' recommendations

To reduce how often cleaning is needed, protect the modules with one of our coatings; a coated surface stays cleaner for longer and is easier to clean.

Comments

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

Properties

Aspect: Clear yellow liquid;

Odor: Characteristic;

Flash point: Non Flammable (>60 °C);

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

2kg, 5kg and 20kg transparent drums