

Cement Removal Agent

Technical Datasheet

Description

CRA is a removal agent for cement dust, stone dust, hard water stains and other alkali contaminants that are cured on the surface of the glass of solar modules.

It is a biodegradable product designed to be as delicate as possible with the components of the solar module (ARC, silicone and aluminium frame). The product reacts chemically only with the contaminants and emulsions the particles so that they can be rinsed off easily.

It is a remediation product, and it should be used as such. To avoid the reappearance of the problem, you should act preventively and protect the modules with an antistatic coating such as the *Antistatic Solar Armor* from ChemiTek.

Dilution Specifications

Adjust the dilution of the product according to the harshness of the problem. Do a test in a small area to check which dilution is best for your case. It is preferable to leave the product on the module longer than to use a lower dilution.

Start with a dilution of 1 to 2 (1kg of CRA in 2 litres of water) and check the behaviour. If it is not strong enough to start removing the cement with ease, then reduce the dilution to 1 kg of CRA in 1 litre of water or even 1kg of CRA in 0,5 litres of water. In very extreme cases, the product can be used without dilution as a last resort measure. ChemiTek advises against it.

Applications

Removal of cement dust, stone dust, gypsum and other alkali contaminants from the surface of the glass of solar modules.

Instructions of Use

1. Dilute the correct amount of product in the water.
2. Before starting to apply the product, please make sure that the modules are dry. Wet modules will greatly reduce the efficiency of the product. Spray the diluted product on the problematic areas making sure that all the surface is covered.

3. Let the product react with the cement for a few seconds, without letting it dry.
4. Brush the product on the module to help it impregnate the cement and reach the glass. Do not add any water in this step.
5. Using a brush, rinse thoroughly with clean water making sure that all excess product and cement particles are removed from the panel. If needed repeat the steps until the desired results are achieved.

Recommended additional step:

6. Apply the antistatic coating immediately after the remediation of the problem to protect the modules.

Suppliers' recommendations

CRA is a remediation product and should be used as such. To avoid a recurring issue please act preventively and protect your modules with an antistatic coating. This will prevent the particles from adhering directly on the glass thus making them easy to remove during normal cleaning operations.

Comments

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

Properties

Aspect: Clear white 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

5kg and 20kg transparent drums and IBC (1000kg bulk packaging container).