

Cleaning Guidelines for Silfab Solar Panels

The following is an excerpt from Silfab Solar's installation manual:

Silfab uses anti-reflective coated (ARC) glass for maximum performance. It is recommended to regularly clean the modules to ensure maximum power output. Module cleaning should be done in the early morning, in the evening, at night or on rainy days when solar irradiance is low.

Detailed Description:

- *Do not touch the glass with bare fingers or hands. Wear clean gloves to prevent fingerprints and other dirt from staying on the glass.*
- *Do not use metal tools, such as blades, knives, steel wool and other abrasive materials. Cleaning the glass with hard surfaces will scratch the ARC-glass.*
- *Do not use high pressure washers, abrasive brushes, powders, cleaners, polishers, sodium hydroxide, benzene, nitro-thinners, acid or alkali and other chemical substances. Doing so may damage the anti-reflective coating that is present on the glass of the modules and void warranty.*
- *All types of commercial glass cleaners, or alcohol/ethanol/methanol can be used.*

Routine Steps of Cleaning:

1. *Whisking: Debris such as dust and leaves on module surface should be removed with dry cloth.*
2. *Scraping: Hard foreign matters such as dirt, bird droppings, plant branches, etc., should be scraped off with non-woven fabric or soft bristle brush.*
3. *Washing: Colored substances, such as bird dropping, plant juices, etc., on module surface can be removed by cleaning by spraying water onto the dirty region and scrapping with soft bristle brush or non-woven fabric. The pressure of cleaning water should be less than 690Kpa (100 PSI).*
4. *Cleaning of snow: Silfab modules can withstand heavy snow pressure up to 5400 Pascal. Do not try to remove frozen snow or ice from the module. Use a soft bristle brush to gently remove the snow.*