

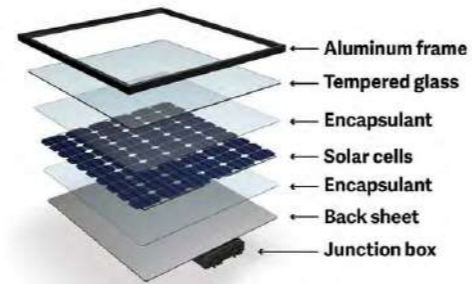
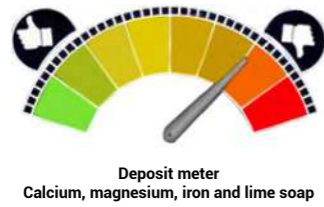
# NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS



**Solar Panels** Clean & Protect

## Clean & Protect **Solar Panels**



03

**Wash**  
**Non filming**



04

**Stain**  
**remover**



05

**Scrub**  
**non scratch**



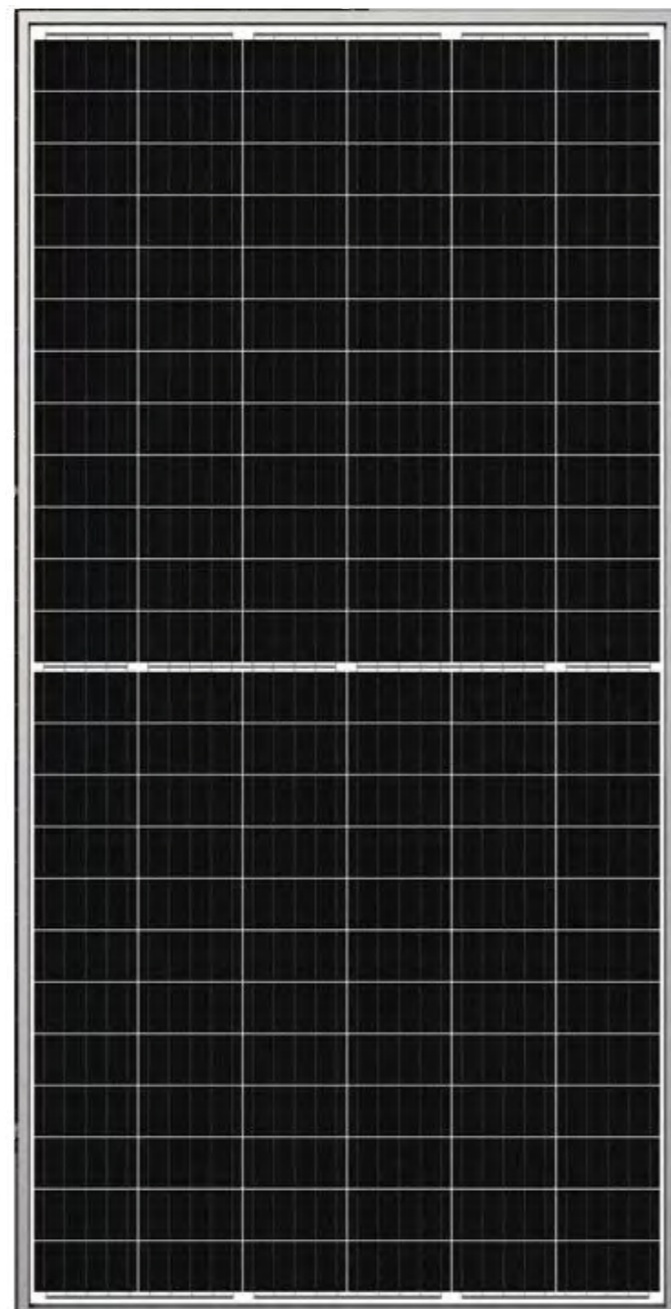
06

**Steril cleaner**  
**pretreatment**



07

**Thin Film**  
**repellent**  
**coating**



APPLY  
VIDEO  
SCAN  
QR CODE

# SOLA

## Solar Panel wash non filming



Article Nr	: SOLA1000 1 L / SOLA5000 5 L / SOLA020L 20 L
Consumption	: 20 ml : 10 Liter Water
pH Value	: 6.9-7.1
Used for	: Solar Panel Cleaning
Application field	: Solar farms, hotels, office buildings, residential housing, airports, medical centers, schools & more.



**Easy to apply**



**Easy to clean**



**Stays cleaner**  
**longer**

Solar Panel Wash is an advanced technology, multi-purpose foaming cleaner containing a rinsing aid that will leave hard surfaces nearly dry after rinsing with clean water.

To assure the "easy-to-clean" effect that our nano layers provide, surfaces should be free of dyes, waxes or polymer sealants.

This multi-purpose cleaner contains no polymers or colors and will not leave a film of chemicals behind on the surface.

100% Safe to use especially for solar panel cleaning can also be used in automatic wash systems.

Dilution ratio 1: 500 (super economical)

**Applicator:**

40100703



**Recommended Tools:**





# SOLB

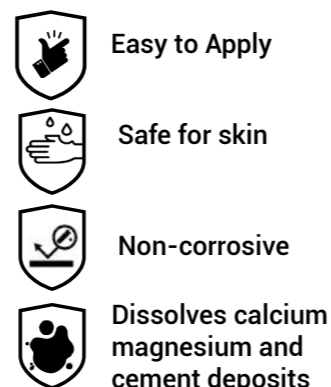
## Solar Panel stain remover

<b>Article Nr</b>	: SOLB01000 1 L / SOLB5000 5 L / SOLB020L 20 L
<b>Consumption</b>	: +/- 2 ml/m <sup>2</sup>
<b>pH Value</b>	: 8.2-9.0
<b>Used for</b>	: Solar Panel Cleaning
<b>Application field</b>	: Solar farms, hotels, office buildings, residential housing, airports, medical centers, schools & more.

This fully biodegradable stain remover is made with a superior synergistic blend of environmentally friendly acids to boost cleaning performance and potential cost-savings. SOLB is ideal for removing mineral deposits from solar panel glass and aluminium.

- SUPB is anti-corrosion and safe to use on all hard surfaces.
- SUPB prevents the deposition of soap residue and can be used to dissolve limescale formed by hard water.
- GHS label: NO health hazard label or acute toxicity
- Readily biodegradable (OECD)

**Recommendation:** Nano Ceramic International Guidelines, Solar panel cleaners should have a pH of 6.5 – 7.5. Canadian Solar recommends water with a pH of 5.5 – 8.5. Product pH Values SOLA: 6.9 – 7.1, SOLB: 8.2 – 9.0 Wash panels with SOLA, then apply SOLB while still wet. This ensures the surface pH remains within the manufacturer's recommended range.



### Applicator

40100703



**Application:** Wet the surface, and wait 1 minute so that the calcium and magnesium can dissolve. Wipe away any residue and, if necessary, use our SOLC Scrub Cleaner to clean it more deeply.

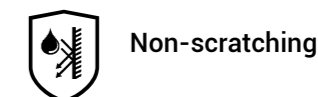


# SOLC

## Solar Panel non scratching scrub

<b>Article Nr</b>	: SOLC1000 1 L / SOLC5000 5 L
<b>Consumption</b>	: +/- 2.5 ml/m <sup>2</sup>
<b>pH Value</b>	: 6.4-6.6
<b>Used for</b>	: Solar Panel Cleaning
<b>Application field</b>	: Solar farms, hotels, office buildings, residential housing, airports, medical centers, schools & more.

Scrub Pretreatment Cleaner is a smooth rubbing compound, suitable for scrubbing solar glass and aluminium without scratching the surface.



### Applicator:

40100703



Leaves no scratches behind after treatment.



# SOLD

## Solar Panel steril cleaner pretreatment



**Article Nr** : SOLD1000 1 L / SOLD5000 5 L / SOLD020L 20 L  
**Consumption** : +/- 3.3 ml/m<sup>2</sup>  
**Used for** : Solar Panel Cleaning  
**Application field** : Hotels, office buildings, residential housing, airports, medical centers, schools & more.

100% Steril with nano interlock technology  
 (active lifting encapsulate the grease from the surface)

- Surface cleaning and residue removal.
- Pretreatment cleaner for the application of solar panel thin film repellent coating.



**Easy to apply  
spray & wipe**



**Remove grease**



**100% Steril**

100% Steril

**Applicator**

40100703



# SOLE

## Solar Panel thin film repellent coating



**Article Nr** : SOLE1000 1 L / SOLE5000 5 L / SOLE020L 20 L  
**Consumption** : +/- 2 ml/m<sup>2</sup>  
**Used for** : Solar Panel Cleaning  
**Application field** : Hotels, office buildings, residential housing, airports, medical centers, schools & more

SOLE is an ultra long-lasting invisible surface coating which forms semi-permanent molecular bonds with the surface. The main function of treating hard surfaces with SOLE is to seal tiny pores, making it a smoother surface that will repel water and contaminants.

- Two simple steps: Clean with our Steril Cleaner and apply.
- Makes the surface much easier and quicker to clean, and the adhesion of dirt is reduced drastically.
- This coating has an outstanding hydrophobic effect, and the surface stays cleaner longer. Cleaning intervals as well as the formation of water spots will be greatly reduced.

Will last 12 wash cycles



**Easy to apply**



**Cut cleaning costs**



**Anti-water spot**



**Super hydrophobic  
Anti static**



**Self-cleaning  
Stays cleaner longer**

**Applicator**

40100703



# NANO-CERAMIC®

WWW.NANO-CERAMIC.COM THE NEXT GENERATION COATINGS

- Influence of Dirt Accumulation on Performance of PV Panels
- Efficiency of Solar PV Panels Using Hydrophobic Coatings

Water droplets uncoated	- 4%	efficiency reduction
Water Spots	-25%	efficiency reduction
Dust Sand Moss accumulation	-84%	efficiency reduction
Coated panels	+5%	efficiency improvement
Easier to clean	? \$	cleaning interval / reduction

*Learn more ....*



## Increase Efficiency

*Did you know?*

*That our coatings are made of pure silica sand, which is the most common element on Earth?*

Dealer