

# SOLAR GUARD

## APPLICATION GUIDE

SURFACE PREP, APPLICATION & CARE GUIDE



### REQUIRED TOOLS

- MICROFIBER CLOTHS
- ISOPROPYL ALCOHOL / GLASS CLEANER
- STANDARD MOP / SPINNING WET MOP
- SQUEEGEE
- PRESSURE WASHER
- HVLP SPRAY GUN
- PRESSURE GAUGE
- AIR COMPRESSOR

If applying by spray, please note our specifications of the air compressor you should be using below.

**Type:** Portable w/ electric motor  
**Container Size:** 13 gallon  
**Power:** 3HP (2200 W)  
**Airflow:** 11.65 ft<sup>3</sup> (330L) / min  
**PSI:** 145 PSI (10 bar)  
 High-pressure output

### SURFACE PREP

1. Clean PV panels by power washing.
2. Isopropyl alcohol or a regular glass cleaner may be used, as long as no oily residue is left on the PV panels.
3. A standard mop or spinning wet mop may be used to clean off stubborn dirt and solid pollutants from the PV panels if necessary.
4. Squeegee to dry if necessary.
5. Allow surfaces to dry completely.

### APPLICATION INSTRUCTIONS

**DO NOT DILUTE PRODUCT. SHAKE CONTAINER WELL BEFORE USE. LOAD PUMP SPRAYER OR PAINT TRAY AFTER MIXING WELL.**

1. Ensure PV panel surface does not exceed 104°F (40°C) prior to application.
2. Install the pressure gauge between the air compressor and the HVLP spray gun.
3. Shake Solar Guard well. Do not dilute. Load into HVLP spray gun.
4. Regulate the HVLP sprayer so airflow pressure and product flow meets 1426 ft<sup>2</sup>/gal.
5. Application speed depends on flow regulation, but it takes an average of 35 seconds to apply each coat on 21.53 sq.ft (2 sqm).
6. Fully expand the HVLP spray fan and initiate spraying outside the application area to ensure flow stability.
7. Keep the spray gun 6-8 inches away from the PV panel and hold down the trigger for a constant flow rate.
8. Spray in parallel lines to cover the entire PV panel. Finish spraying outside the application area.
9. Allow to dry, then re-apply at a perpendicular direction to the original spray layer. Rotating the HVLP spray head will help.
10. Do not over-apply for optimal anti-reflection results.

### POST-APPLICATION CARE

Clean with pressure washer at low pressure if necessary. Do not use harsh cleaning chemicals or abrasive mops and scouring pads. If required, wipe with a wet, microfiber mop or cloth to remove stubborn dirt.

### APPLICATION CONDITIONS

Surface and air temperatures must be at least 50°F (10°C) during application and for 8 hours following and should not exceed 95°F (35°C). Do not apply by sprayer in windy conditions to prevent loss.



SCAN QR CODE TO WATCH  
OUR APPLICATION VIDEO