ALECTRIS

SOLAR ASSET CARE INNOVATION.SM

MORESUN® Anti-Reflective Shield

THE WORLD'S MOST ADVANCED ANTI-REFLECTIVE AND ANTI-SOILING SOLAR COATING

MoreSun® by Pellucere Technologies is the world's first, the most advanced and market ready solar coating that can be applied in the field to operational solar panels, increasing efficiency by reducing reflection losses (Anti-Reflective (AR). The application system adds as well the Anti-Soiling (AS) effect to the solar arrays to prevent the build-up of dirt and dust.

Our testing has verified up to 3.4 – 4.7% more power in average with MoreSun® to solar PV plant generation.

Professional team

Alectris has a dedicated, professionally trained and highly-skilled, manufacturer certified coating team for the field activities for MoreSun® in Italy and Greece.

Coating activities are executed following Standard Operating Procedures (SOP) that provide guaranties and high-quality performances.

Quality control procedures are carried out during the whole coating process with state-of-the-art measurement devices, such as a thin-film analyzer (i.e. spectrometer).

Benefits for PV Plant Owners

The MoreSun® anti-reflective coating decreases the severity of reflections by providing a more gradual increase in the index of refraction transitioning from air to glass.

- Reduces up to **90%** reflected light.
- Adds up to **4.7 %** more power in average to solar PV plant generation.
- In off-axis and diffused light, it also captures great amount of solar energy.
- Low-temperature fast-cure – it can be applied to **retrofit solar arrays** in the field or in the factory.
- Patented application system – MoreSun® can be implemented with maximum transfer efficiency and minimal waste.
- Reduces **"lake effect"** reflections to protect wild life.
- Industry Leading Anti-soiling using Talus DRT ™ technology – it reduces negative effects of dust and soil on energy generation.
- Decreases about **50% – 70%** frequency for the modules washes per year.
- Has semi-automated installation process.
- Robustly formulated – it was engineered for strength and durability to survive even the harshest environmental conditions.

pellucere™ TECHNOLOGIES

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MORESUN®
Anti-Reflective Shield

Unmatched AR perfomance and durability

MoreSun® delivers the highest energy gains of any product on the market. In direct axis light MoreSun® outperforms leading competitors by more **than 30%!**

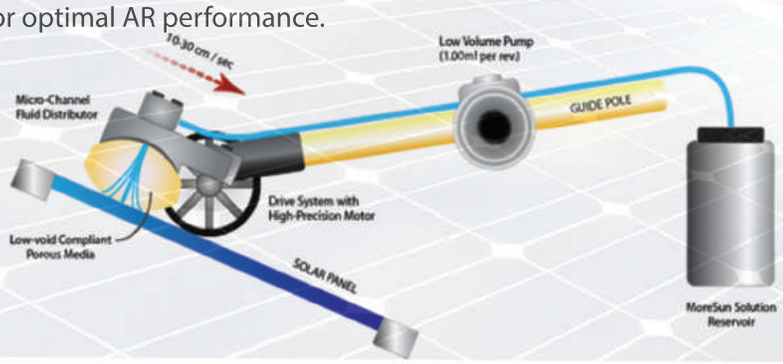
In most places, MoreSun® will pay for itself **in less than two years.** MoreSun® has been torture-tested for durability, is fully recyclable and is backed by our unique "Payback Guaranteed" warranty. MoreSun® with Talus DRT™ redefines AR solar coatings.

MoreSun® performs better

	MoreSun®	Competitor
Highly Accelerated Stress Test (HAST)	√	
Wet Scrub Test	√	
Humidity Freeze-Thaw Test	√	
Damp Heat Test	√	
Sand Blast Test	√	
Sand Drop Test	√	
UV Test	√	√
Cross Hatch Test	√	√

How is MoreSun® Installed?

MoreSun® coatings are applied using a family of innovative, patented deposition systems developed by Pellucere Technologies™ that ensure the solution is applied at the optimal rate. The micro-channel, meniscus-drag applicators adjust flow rate to account for ambient conditions, maximize transfer efficiency, and ensure a highly uniform thickness for optimal AR performance.



CERTIFIED
MORESUN®
Anti-Reflective Shield
INSTALLER

Contact us

More information about MoreSun® are available upon request from **Antonio Bilella**, Alectris Innovation & Project Manager. **antonio.bilella@alectris.com**