

A photograph of a rooftop solar panel installation. The solar panels are dark blue with a grid of silver lines, mounted on a dark metal frame. The roof is a reddish-brown color. In the background, a city skyline is visible at sunset, with several tall buildings. The sky is a mix of orange, yellow, and blue. The text "Silicon solutions for a solar-powered world" is overlaid in white, bold, sans-serif font.

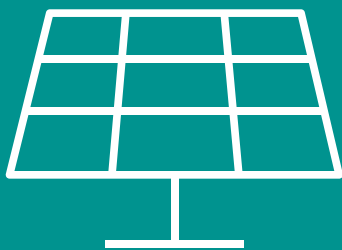
Silicon solutions for a solar-powered world

◀DUPONT▶

FortasunTM

Solar Silicones

Solar power is a valuable energy source that the world needs.



Day after day, year after year. That's why it's critical to trust your solar modules to DuPont Photovoltaic Solutions and our newest product, DuPont™ Fortasun™.

Built on the experience and performance of Dow Corning Silicones, DuPont™ Fortasun™ provides silicon-based solutions for commercial and residential solar modules worldwide – improving module performance by increasing durability of photovoltaic (PV) modules and concentrators, and in turn reducing costs.

The result: more power for your panels, and maximum return on your solar investment.



The performance behind the power

From panel frames to junction boxes, Fortasun™ provides powerful silicone solutions that increase the performance of your solar modules, while reducing your cost of ownership.

With decades of reliability in construction and electronics applications, Fortasun™ products have distinct advantages over in-kind competitors:

- Long-term elasticity, pliability and flexibility, ultra-transparency and strong adhesive properties.
- Resistance to rain, sleet, snow, ultraviolet radiation and water repellency.
- Resistance to damage and degradation from high or low temperature extremes, thermal shock, chemicals, delamination, oxidation and corrosion.
- Resistance to aging – will not harden, crack, peel, crumble, dry out, rot or become brittle like many organics.
- Excellent dielectric properties.

Better materials for a better future

Our silicone-based DuPont™ Fortasun™ products provide more options and stronger solutions for building-integrated photovoltaics, and are available as:

Sealants & adhesives

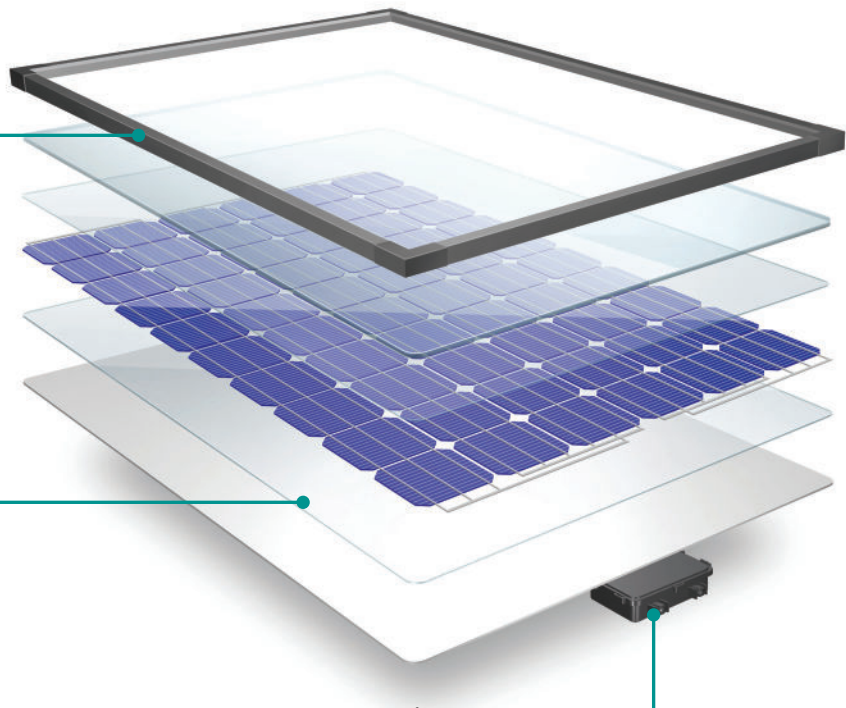
Silicone sealants and adhesives outperform typical PV tapes in frame sealing, rail bonding and junction box adhesion applications. Decades of field experience from Dow Corning ensure these products will provide lasting protection from high moisture, harsh temperatures, bright sunshine, mechanical and thermal shock and vibrations.

Encapsulants

Silicone encapsulants protect solar components against corrosion and delamination, extending module life and ensuring better power output and improved performance results through increased power generation.

Potting agents

The unique properties and benefits of silicone potting agents make them a top choice for solar industry applications, offering reliable performance and durability for PV junction boxes and more.



Whether it's for small modules or large solar arrays, DuPont™ Fortasun™ provides lasting benefits with an extensive range of application options.



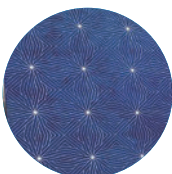
**Frame sealant
and adhesive**



**Adhesives and sealants for PV
junction box bonding**



**Silicone rail bonding
adhesives technology**



**Electrically-conductive
adhesives for modules**



**Silicon-based building integrated
photovoltaics (BIPV) solutions**



**Sealing solutions for solar hot
water generation systems**

A full-page background image showing a solar installer in a blue shirt, white hard hat, and safety glasses working on a roof. The installer is using a tool to connect wires to solar panels. The roof is covered with rows of solar panels, and the sun is shining brightly in the upper right corner, creating a lens flare effect.

Seamless support for your solar business

You can count on DuPont Photovoltaic Solutions because of our deep commitment to four areas:

- Lifetime performance
- Field testing
- Lifetime efficiency
- Financial returns

Because the world can't wait

DuPont Photovoltaic Solutions provides greater power output, longer life and lasting returns on your solar investment – offering the highest material performance, in even the harshest climates, with maximum power output.

Backed by over 30 years of rigorous field-testing, our materials have been repeatedly verified to perform over time, which means reliable investment returns for you—and a supply of clean energy the world can count on into the future.





Tedlar®

Based Backsheets

DuPont™ Tedlar® film-based backsheets are among the long-standing benchmarks for the industry. They protect against degradation from ultraviolet (UV) light, moisture and abrasion, and enable an optimal balance of barrier properties to prevent corrosion.

Modules with breathable, transparent Tedlar® backsheets are up to 30% lighter – lowering manufacturing, transportation and installation costs. They are also easy to clean and provide chemical resistance in harsh environments.



Solamet®

Metallization Pastes

DuPont™ Solamet® photovoltaic metallization pastes deliver significantly higher efficiency and greater power output for solar panels – improving solar cell and panel efficiencies, and ultimately reducing costs.

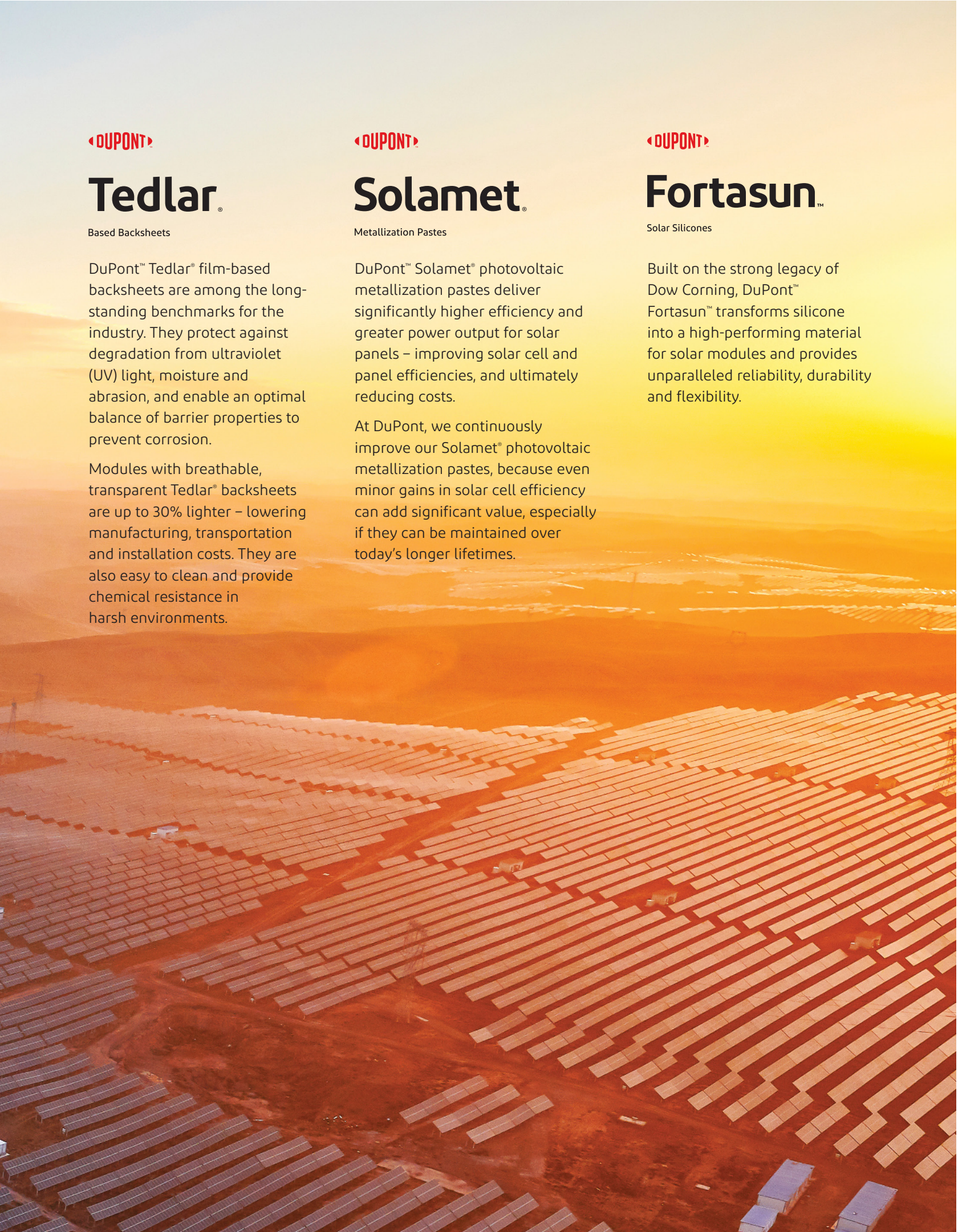
At DuPont, we continuously improve our Solamet® photovoltaic metallization pastes, because even minor gains in solar cell efficiency can add significant value, especially if they can be maintained over today's longer lifetimes.



Fortasun™

Solar Silicones

Built on the strong legacy of Dow Corning, DuPont™ Fortasun™ transforms silicone into a high-performing material for solar modules and provides unparalleled reliability, durability and flexibility.





We're ready to help make your solar investment go further

DuPont Photovoltaic Solutions is an industry leader you can rely on, with a long-standing commitment to materials advancements that transform solar into a viable commercial energy source for the new energy economy – and reduce the overall cost of delivering more solar power to the world.

With our new DuPont™ Fortasun™, we've transformed one of the most abundant elements in nature, silicon, and are successfully addressing the critical needs of the global solar industry.

Our material innovations will continue to lead the photovoltaics industry forward – helping our clients transform the power of the sun into power for us all.

photovoltaics.dupont.com



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Fortasun™

Solar Silicones

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