



## SOLAR POWER AND HEAVYGUARD PMR NOVEMBER 2023 ISSUE

### Solar Powers Rise in Roofing

Rooftop photovoltaic (PV) solar installations have been steadily growing over the past two decades. Rooftops are an excellent place to install solar systems because they typically cover large unobstructed spaces which are unused. Photovoltaic solar systems have increased in popularity due to technological improvements and the need for alternative energy sources. In 2021, 46% of all new electric capacity added to the grid came from solar energy.

With governments pushing to reduce dependency on fossil fuels and reduce the carbon footprint, more states are writing legislation to mandate the use of solar on residential and commercial buildings. There are several advantages for companies looking to incorporate solar into their roofing designs. The Solar Investment Tax Credit is one of the most important federal policies enacted to support the growth of solar energy in the United States. Solar systems that are installed and placed in service in 2022 or later and begin construction before 2033 are eligible for a 30% Investment Tax Credit or a 2.6 cent/kWh Production Tax Credit if they meet labor requirements issued by the Treasury Department or are under 1 megawatt in size.

Not only does solar save money and reduce operational costs to the building owner, it's also good for the environment because it doesn't produce greenhouse emissions. Solar power has continued to grow significantly over the past two decades. According to the Solar Energy Industries Association (SEIA), over the last decade, solar power has averaged 24% annual growth.

A LightGUARD<sup>®</sup> Protected Membrane Roof System is a great choice when specifying a roof top solar system. LightGUARD helps conserve embodied energy, reduces operating emissions and provides long-term stable R-values all while protecting the roof membrane below it. In addition, LightGUARD makes a durable and solid surface for solar support stands to be installed over.

***VISIT OUR WEBSITE @ [TCLEAR.COM](https://www.tclear.com)***

**LET THE SUNSHINE IN**



LightGUARD and/or HeavyGUARD are a perfect choice to support solar stands for the installation of solar system panels while protecting the membrane from hail, UV, thermal cycling, physical abuse and more.



**HeavyGUARD®**  
**Intuitive Surgical Solar Project**

Intuitive Surgical, Inc., located in Norcross, GA, is a medical device company that specializes in robotic surgical equipment. The company is currently in the process of installing 2” HeavyGUARD PMR panels on its 200,000 square foot roof area and 2” WallGUARD Concrete Insulated Perimeter Wall Panels along the parapet walls. Solar panels will be installed on over 86% of the roof. HeavyGUARD is being placed over 4” of XPS insulation. HeavyGUARD is a perfect choice to insulate and protect the roof membrane below and provide a base for the solar stands. Taylor King, from ARS, Inc., has led the way for T. Clear in securing this job and providing technical assistance.

***"Durability & Energy Efficiency  
All in One Panel"***

**WallGUARD®**  
**Parapet Wall Insulation & Protection**

Parapet walls perform a number of important functions. The major function is to protect the edge of the roof assembly from wind uplift. Parapet walls dramatically reduce the pressures from wind vortices at the roof edges and protect the roof assembly from blow-offs.

In addition to wind concerns, parapet walls are also subjected to extreme temperature changes, moisture intrusion from three sides and roof stresses. WallGUARD addresses this issue by providing Styrofoam brand insulation with a factory applied latex-modified concrete facing. Panels provide impact resistance and meet continuous insulation requirements.

***WallGUARD  
"The Name Says It All"***

**THE CHOICE IS "CLEAR"**

**SPECIFICATION DATA**

T. Clear specifications can be found on ARCAT for architects and specifiers? ARCAT is the leading online resource of free building product information.



CSI 3-part and Canadian CSC architectural specs can be downloaded and customized for residential and commercial projects.

*"Specifying Made Easy"*

Be sure to visit [www.aecdaily.com](http://www.aecdaily.com) to take our free online educational course to earn continuing CEU's. AEC Daily provides FREE online courses that provide state credit and many other association approvals, such as AIA, for architects, specifiers and interior designers.

3255 Symmes Road  
Hamilton, OH 45015  
800-544-7398

FOLLOW US



FIN PAN | 3255 Symmes Rd, Hamilton, OH 45015

[Unsubscribe rschaffer@finpan.com](mailto:rschaffer@finpan.com)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by [bjketterer@finpan.com](mailto:bjketterer@finpan.com) powered by



Try email marketing for free today!