

# American-Made SOLAR PRIZE



U.S. DEPARTMENT OF ENERGY

## Winner Solar Prize Round 2 Finalist

February 24, 2020

On behalf of the National Renewable Energy Laboratory (NREL), the American-Made Challenges Prize Team would like to congratulate Solar Prize Round 2 Finalist! ECOLOGICAL ESTATES LLC

### TERRA PAVE PRODUCTS ARE THE ECO-FRIENDLY COST-EFFECTIVE SOLUTIONS FOR THESE ISSUES FOR SOLAR FARMS



The **Eco-Friendly Cost-Effective** products (**Top-Seal White™**, **Top-Seal Black™**) were developed, manufactured in Austin, TX, tested on a small scale basis and then field applied and proven through testing with the Texas Department of Transportation (TXDOT), US Army, the City of Austin, TX and City of San Marcos, TX. The products have superior strength and binding properties, dries within an hour thus allowing work to be completed days and weeks ahead of schedule, have no odor or tracking issues and is much safer to workers and the environment. Product testing, done by San Antonio Testing Labs, a NELAP certified lab, following EPA approved test method shows that no detectable concentrations of volatile, semi-volatile, heavy metals or petroleum hydrocarbons.



**TERRA PAVE → ENVIRONMENTALLY SAFE**

- ◆ NON-HAZARDOUS
- ◆ NON-CORROSIVE
- ◆ NON-PETROLEUM BASED
- ◆ NON-TOXIC

**COST-EFFECTIVE**

NO SPECIAL EQUIPMENT or HANDLING PROCEDURES REQUIRED

• Soil Grader • Soil Compactor • Water Sprayer

ESTATES ECO International  
www.ecoestates.us  
info@ecoestates.us

MADE IN USA

ECO FRIENDLY



**Top-Seal White™ & Top-Seal White™ Albedo:** Durable Strong Low Maintenance, Eco-Friendly dirt/Dust/Vegetation Control, Bi-Facial panel reflection surface, strength is comparable to cement concrete, concrete pavement surfaces/road base replacement.

**Top-Seal Black™:** Durable/low maintenance, eco-friendly asphalt pavement surfaces replacement, excellent to prevent the penetration of water and air into the pavement surfaces, increase surface friction thereby shortening braking distance.



Supported by the U.S. Department of Energy, Solar Energy Technologies Office;  
Directed by the National Renewable Energy Laboratory

# Round 2 Set! Contest Finalists

Congratulations to all of the finalists from the **Set!** Contest! These teams will be awarded both cash prizes and program vouchers for use at national laboratories and connector facilities. Round 1 Finalists and Semifinalists are eligible to compete in the **Go!** Contest.

entry title (listed alphabetically)	team	location	subject area
>15kV Power Router (SST) DC coupled solar+storage	Resilient Power Systems	Georgetown, TX	Systems Integration
Advanced Bifacial Panel	Taka Solar	Mountain View, CA	Photovoltaics
Asoleyo Architectural Solar	Asoleyo	Herndon, VA	Photovoltaics
Back-contacted silicon modules at the cost of PERC	SunFlex Solar	Tempe, AZ	Photovoltaics
Continuous Silicon Wafer Production	Integrated Silicon Systems	Pittsburgh, PA	Photovoltaics
Dirt Control, Bifacial albedo, Roads replacement	Terra Pave	Austin, TX	Photovoltaics
Orison Energy Storage Enables Solar	Orison	Cody, WY	Systems Integration
Phase-EQ for Distributing Solar in Communities	Switched Source	Vestal, NY	Systems Integration
SolPavers-Elegant, Invisible, Low-cost, Safe Solar	SolPavers	New Braunfels, TX	Photovoltaics
V-Clip: Fast, Secure, Reliable PV Panel Attachment	Vespr Solar	Norman, OK	Photovoltaics



U.S. DEPARTMENT OF ENERGY

March 30, 2020

Pay to the order of Team Terra Pave

\$ 100,000

One Hundred Thousand  $\frac{00}{100}$

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U.S. Department of Energy

OPTIONAL CHECKFIELD

