

## ABOUT TERRA PAVE:

Terra Pave strives to solve the environmental, health, and efficiency problems associated with traditional paving materials (Toxic Asphalt + Climate-Wrecking Concrete) by offering 100% eco-friendly, cost-effective, and superior alternatives. TP's solutions contribute to reducing carbon emissions, improving air and water quality, mitigating urban island heating, and promoting sustainable infrastructure development.

Climate-wrecking Cement industry is responsible for about 8% of planet-warming carbon dioxide emissions. Toxic petroleum-based asphalt products used in roads, highways, and runways, are very toxic to humans and all living things on the planet. Both cement and asphalt pavements are also the major cause of urban heat islands in cities. Terra Pave products (TP) are invented to be 100% eco-friendly superior maintenance and replacement products for Concrete and Asphalt pavements, roads, and parking lots, and to cool down cities by mitigating urban heat island problems.

Additionally, TP addresses specific challenges in the solar industry. TP offers solutions to maximize the production of bi-facial solar panels, reduce erosion at solar farms, soiling losses on solar panels, which can decrease power output and increase maintenance costs, and effective weed and vegetation management around solar installations, preventing shading, and potential damage to the panels, and lowering the air temperature of the surrounding. TP's innovative approach also to maximize the back-side performance of bi-facial solar panels. Terra Pave provides stable high albedo surfaces equal to snow, ensuring maximum solar irradiation capture and accurate financial modeling for bi-facial solar projects.



# TERRA PAVE



[www.terrapavetech.com](http://www.terrapavetech.com)  
<https://youtu.be/4449TzvtCdU>

[info@terrapavetech.com](mailto:info@terrapavetech.com)



**14th ANNUAL CADE PRIZE**  
CELEBRATING CREATIVITY AND INNOVATION



AGRICULTURE &  
ENVIRONMENTAL  
2023 USA



PRESENTED BY THE CADE MUSEUM  
ON SEPTEMBER 28, 2023



**2023 Cade Prize for Innovation in  
Agriculture and Environmental Sciences**

**Terra Pave: Environmentally-friendly  
replacements for concrete and asphalt roads,  
pavements, parking lots, and other hard surfaces.**



TOP 10 2020 USA



U.S. DEPARTMENT OF ENERGY



U.S. DEPARTMENT OF  
**ENERGY**

American-Made  
**SOLAR PRIZE**



Winner Solar Prize Round 2 semifinalist

U.S. DEPARTMENT OF ENERGY

October 4, 2019

TERRA PAVE PRODUCTS

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

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



**TERRA PAVE • ENVIRONMENTALLY SAFE**  
• NON-TOXIC  
• NON-FLAMMABLE  
• NON-CORROSIVE  
• COST-EFFECTIVE  
• EASY TO INSTALL



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