

The Future of Pavement Preservation Polymer/Soil Stabilization

Top-Seal White™ (*Liquid Base Stabilizer & Sealant*)

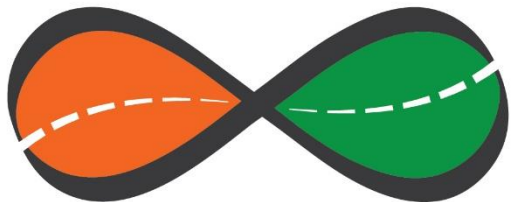
TERRA PAVE

www.terrapavetech.com info@terrapavetech.com

"Cost-effective, eco-friendly products for improving roadways, parking lots, airfields, and all other traffic-bearing surfaces."

Learn more about TERRA PAVE INTERNATIONAL

TERRA PAVE



Top-Seal White™ (*Liquid Base Stabilizer & Sealant*)



EXXON design: with a variety of application rates on different areas of that project



Top-Seal White™ (*Liquid Base Stabilizer & Sealant*)

Exxon road design for heavy haul road (HHR) supporting up to 140psi SPMT wheel loads.

Transporting up to 12,000 Metric Tone modules.



Top-Seal White™ (*Liquid Base Stabilizer & Sealant*)

There were over **100 transport** runs with
over **30 ultraheavy** modules.



Top-Seal White™ (*Liquid Base Stabilizer & Sealant*)

The design was for **10,000 cumulative** axle passes over any **one point**.



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Very few maintenance for 18 months period.

Re-treated a few high-traffic areas with a maintenance applications.



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In summary, ExxonMobil has a large area of roads and parking lots and the traffic is heavy tractor-trailers.

The soil is limestone meeting the **TxDOT 247 "Flexible Base" specifications.**

This construction was essentially the same as we are proposing for the Casa-Settat rural road project.

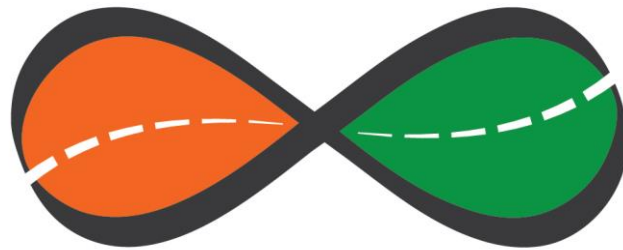
The TSW was surface sprayed only, with a dosage (or total TSW volume per m²) sufficient to resist heavy truck traffic.



AWARDS



TERRA PAVE



USA CADE PRIZE – AWARD 1ST PLACE AG & ENVIRONMENTAL 2023

TOP 1 Eco-Friendly Product in USA 2023

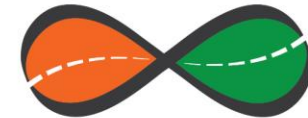


14th ANNUAL CADE PRIZE
CELEBRATING CREATIVITY AND INNOVATION



AGRICULTURE &
ENVIRONMENTAL
2023 USA

TERRA PAVE



PRESENTED BY THE CADE MUSEUM
ON SEPTEMBER 28, 2023

INVENTIVITY™

Cade Prize



*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.



WEBSUMMIT LISBON, PORTUGAL NOVEMBER 2021 – TOP 10 WORLD WINNER



TOP 10 Eco-Friendly Products in the WORLD November 2021

Web Summit Lisbon, Portugal



Carlos Manuel Félix Moedas – announces deal with Terra Pave International to save the city of Lisboa only 2 weeks 1 day on the job as the Mayor of Lisboa, Portugal.



NREL USA DEPARTMENT OF ENERGY – AWARD TOP 10 2019-2020

TOP 10 Eco-Friendly Products 2019-2020

National Renewable Energy Lab
USA Department of Energy



CONGRATULATIONS, ROUND 2 FINALISTS

Team Asoleyo Architectural Solar Cells Herndon, VA	Team Solpaver New Braunfels, TX	Team Terra Pave Austin, TX
Team Integrated Silicon Technologies Pittsburgh, PA	Team SunFlex Solar Tempe, AZ	Team VesprSolar Norman, OK
Team Orison Inc. Cody, WY	Team Switched Source LLC Vestal, NY	
Team Resilient Power Systems Georgetown, TX	Team Taka Solar Mountain View, CA	



U.S. DEPARTMENT OF ENERGY

American-Made SOLAR PRIZE

Winner Solar Prize Round 2 semifinalist

TERRA PAVE PRODUCTS

October 4, 2019

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

DIRT/DUST SOILING SOLAR PANELS	OVERGROWN WEEDS & VEGETATION	GROUND ALBEDO FOR BI-FACIAL PANELS REFLECTED SUNLIGHT	NOT ECO-FRIENDLY CONCRETE ASPHALT
INVERTER'S PADS, ACCESS ROADS	ASPHALT	TOP SEAL BLACK	

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 NRELAP 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

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



ECOLOGICAL ESTATES LLC. / EEI Holding

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Thank You!

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