

A stylized background illustration of a forest with various shades of green and brown trees, set against a backdrop of rolling hills or mountains in warm, golden-brown tones.

THE **TERRALAM**[®] SUSTAINABILITY STORY



TERRALAM[®] INNOVATION MEETS SUSTAINABILITY

Environmental stewardship, sustainability, and compliance are our foundational principles at Sterling. We proudly declare our vision: “To foster harmony between the environment and construction with world class site access solutions.”

We seek to drive change with cost-effective, innovative site-access solutions that maximize performance while minimizing environmental impact. The convergence of these principles was the inspiration for TerraLam CLT mats.

Let us show you how TerraLam helps save you time and money while supporting your company’s commitment to the environment.

THE TERRALAM® SUSTAINABILITY STORY

Learn why innovative TerraLam mats are the most environmentally friendly site access product on the market



THE PINE PLANTATION

TerraLam mats are **made from 100 percent southern yellow pine (SYP)** grown on sustainably managed farms and **can be harvested in 25-30 years**. In contrast, traditional timber mats are built with hardwood trees such as oak and maple, which take 80-100 years to reach a harvestable diameter and are taken from natural forests.

SYP provides **2-3x** more raw materials in the time it takes to regenerate hardwoods

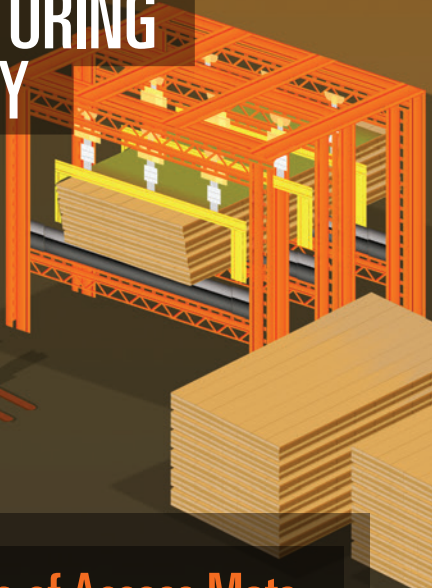
Densely populated SYP forests consume more CO₂ than thinned hardwood forests

Sterling's manufacturing facility is optimized for sustainability.



- LED lights and motion-detected zone lighting reduces energy consumption
- Facility-wide recycling program minimizes waste
- Recycling program for sawdust creates livestock bedding, a bio-fuel component, and other products — **no wood is wasted**

THE MANUFACTURING FACILITY



UP TO **80%**

MORE MATS PER TRUCK FROM LIGHTER SOUTHERN YELLOW PINE dramatically lowers transportation costs and CO₂ emissions entering the atmosphere.

One Mile of Access Mats Shipped by Truck 500 Miles

THE TRUCK



TERRALAM® 300 VS. Bolted Access Mats

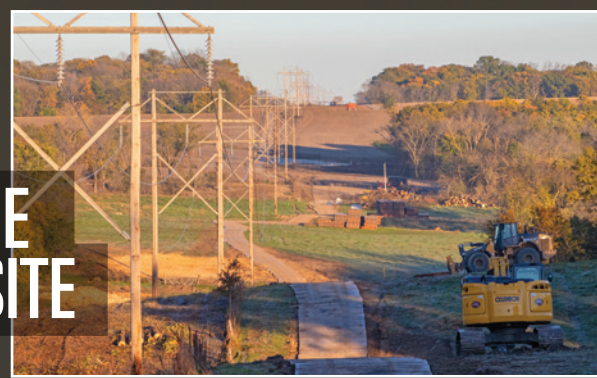
35.6

Carbon Emissions in Metric Tons

64.1

28.5 FEWER METRIC TONS OF CO₂ WITH TERRALAM

THE JOB SITE



Use fewer resources

Timber mats are frequently destroyed in as little as two years — and even sooner in adverse conditions, such as wetlands, or with heavy-tracked equipment. TerraLam® 500 and 700, however, use Cross-Grain Technology™ to increase durability, giving mats nearly **double or triple the average life**.

Reduce mud and water problems

The solid, gap-free construction of TerraLam reduces mat flexing and pumping of water and mud onto the mat road. Mud on the mat road can be tracked into protected areas or roadways and must be managed throughout the project to eliminate noncompliance incidents.

Prevent invasive species

TerraLam's solid construction deters transfer of non-native and potentially invasive species into undisturbed habitats. Between projects, **TerraLam mats are washed by Sterling's mobile mat washing machines, eliminating the risk of cross-site contamination** and ensuring mats can be used in environmentally challenging situations.



THE FINAL DESTINATION



Once TerraLam mats reach the end of their long work life, they can be recycled and repurposed in a variety of ways.

- Ground up for landscaping mulch
- Filler for erosion control tubes and other applications



STERLING

Find out how TerraLam can improve sustainability on your next job

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ABOUT STERLING

Family run for 70 years, Sterling has the experience and knowledge to serve as a true site access partner. We combine advanced technology with best-in-class customer service to offer everything from initial project design and innovative matting products to outstanding safety and environmental compliance. We know what it takes to make your project a success and you have our unwavering commitment to help you get the results you need.

At the heart of Sterling is the relentless pursuit to delight customers with exceptional service and partnership that delivers both short and long-term rewards.

CONTACT US



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