SUSTAINABILITY AND EFFICIENCY FOR CONSTRUCTION PROJECTS





NORE = LESS ENGINEERING IMPACT

Reliable and innovative site access and ground protection are key to getting projects off on the right foot — and the right partner can help you drive sustainability as well.

At Sterling, everything we do is about ensuring your success while reducing the impact of construction projects. Our sustainable site access solutions create measurable carbon avoidance — reducing your emissions while increasing safety, predictability and efficiency.

Serving industrial customers for over 70 years, Sterling's industry leadership stems from the development of our innovative TerraLam® cross laminated timber (CLT) line of access mats. In addition to being more sustainable than traditional matting, they are safer, stronger, and faster to install. We also embrace the importance of Environmental Social and Governance (ESG) in creating long-term value for utilities, contractors, partners, vendors and our own viability. Our investment in sustainable activities allows us to measure Scope 1 & 2 emissions, continually improve our business and provide data-driven reporting to our partner customers.

Sterling also offers consulting, initial site access planning, site preparation and restoration, and temporary road construction, all performed with environmental responsibility in mind. Best-in-class service, combined with advanced product and manufacturing technology, ensures excellent project outcomes with maximum sustainability.



Proud Supplier Affiliate Member of the Sustainable Supply Chain Alliance and the first site access provider to join.

Sterling serves commercial and industrial customers with comprehensive, innovative product and service solutions. We manufacture sustainable TerraLam CLT mats at our headquarters in Phoenix, Illinois and our plant in Lufkin, Texas.

MORE EFFICIENT

- Excellent project outcomes
- Substantially lower shipping costs
- Construction time reduced 10 to 15%
- Faster restoration and potentially lower landowner payments

MORE INVESTMENT AND DATA

- Research and development to improve site access sustainability
- Environmental Product Declaration (EPD) verified report measures the sustainability of CLT mats, detailing the environmental impact of the product through its lifecycle
- Scope 1 and 2 emissions data for Scope 3 reporting
- Commitment to measurability

MORE SUSTAINABLE

- Sustainably-manufactured TerraLam CLT mats
- Renewable pine is harvested from sustainably-managed forest
- Lighter weight, faster installation = less freight, reduced CO₂
- Cradle-to-grave management

WHY SUSTAINABLE SUPPLY CHAINS MATTER

Your suppliers' activities are a relevant part of a project's environmental footprint. By specifying Sterling for site access, you drive reductions in your footprint and Scope 3 emissions and power corporate social responsibility and Net Zero initiatives — with zero additional effort.

TERRALAM[®] CROSS-LAMINATED TIMBER (CLT) MATS

Protect the Environment at Job Sites and Beyond

Terralam CLT is Sterling's signature matting product line that offers a safer, more sustainable, and fasterto-install alternative to traditional mats. It's not just what TerraLam is made of, but *how* it's made precision engineered products help improve project outcomes, safety and predictability while reducing environmental impact.

TerraLam mats are twice as durable as conventional timber mats and provide more coverage, but they're just half the weight. **That means 30-50% fewer truckloads and significant CO**, **avoidance**.



TERRALAM MATS I SOLID CLT CONSTRUCTION — IDEAL FOR PROJECTS IN NORMAL CLIMATES



TERRALAM DOWELED I LONGER I IN TOUGH

TerraLam mats are drilled and reinforced with red oak dowels that supplement the adhesive, delivering 30% longer mat life.

- Reduces edge delamination by 89%
- Increases board retention leading to a smoother road/work surface
- Smooth, flush dowels eliminate risks caused by protruding screws and bolts
- No end-of-life disposal restrictions
- Available on all sizes of TerraLam mats

TERRALAM 2X I THE ULTIMATE CLT MAT FOR THE TOUGHEST PROJECTS IN THE TOUGHEST CLIMATES

TerraLam 2x mats are treated with a wood preservative to provide two times the life of a standard CLT mat.

- Preservative inhibits fungal, mold, and mildew growth
- Reverts to natural micronutrients that promote tree and vegetation growth
- An EPA-registered treatment found in construction framing materials, sill plats, trusses, and joists
- No incremental disposal restrictions

LONGER LASTING TO SUPPORT TOUGH PROJECTS

RED OAK DOWELS





TERRACROSS[™] BRIDGES

Install Safer, Protective Crossings for Sensitive Grounds



TerraCross temporary access bridges are constructed from a steel frame and covered with TerraLam[®] mats, providing a sturdier, engineered, more sustainable solution for water crossings, ditches, and other obstacles. Ideal for heavier loads and wider spans — supports up to 100 tons while protecting delicate environments below.





FULLY ENGINEERED BRIDGES Installed using traditional equipment commonly on-site

> LIGHTWEIGHT, LONG-LASTING, RENEWABLE STEEL BEAM SUBSTRUCTURE Allows for easy lifting and rapid deployment

C.C.S

	MODEL	CAPACITY (TONS)	CLEAR SPAN	BRIDGE LENGTH
1	TERRACROSS" 40	100	35′	40′
•	TERRACROSS [®] 56	65	50′	56'

OSHA-COMPLIANT HANDRAILS

> STEEL WELDMENTS Reinforce stability

GEOTEXTILE COMPATIBLE

Keeps debris from entering waterway and prevents contamination





TERRACROSS AIRBRIDGE

Like TerraCross, the sustainable TerraCross AirBridge is easily constructed from a steel frame and TerraLam mats. TerraCross Airbridge is specially designed to provide a clear span over buried utilities and pipelines that are susceptible to damage from heavy equipment traffic. Total unloading and installation time is less than 1 hour.

RENEWABLE LONG LASTING STEEL AIRBRIDGES REQUIRE 1 TRUCK FOR DELIVERY

TOTAL UNLOADING AND INSTALLATION IS LESS THAN 1 HOUR

TERRALAM® EPZ GROUNDING MATS

Give Your Crew Sustainable Electrical Protection





TAXABLE IN CONTRACTOR

ANNERGANET

RECESSED CORNER CONNECTION PLATES

Protects connections and offers versatile configuration

An engineered system constructed on TerraLam mats provides a sustainable solution to electrical hazards. The TerraLam EPZ system is KEMA tested and ideal for crews pulling wire, building substations or handling other high-risk applications.





BUFFER ZONE MATERIALS

Guide workers away from unsafe areas outside the equipotential zone (optional)





BUS BARS

Easily secure anywhere on the mat and conveniently connect to equipment or grounding rods





TERRALAM **CONNECT SYSTEM**

Strong, sturdy polyester straps and screws interlock the work surface for minimal movement

CLEAN EXIT[™] **Achieve Efficient, Sustainable Trackout Control**



Rugged, recyclable steel frame trackouts dramatically cut public roadway cleanup time and costs (including trackout fines) by trapping dirt, rock and other debris as vehicles exit the site. Protect your workers, local communities and the site environment.



Environmental Construction Solutions

DELIVER PROJECT WINS WITH TURNKEY SERVICES

In addition to our sustainable site access products, Sterling can provide turnkey construction services as a "First On-Last Off" team on the jobsite. Our Best Management Practices, policies, and procedures are aligned to improving efficiency and reducing waste.

- Turnkey services support sustainability, cost management and timeliness through expert planning, right-of-way preparation, installation, maintenance and restoration
- · Construction best management practices and policies
- Specialized, modern, construction equipment fleet increases installation efficiency
- Integrated, active equipment monitoring and management through John Deere JDLink[™]











CONTACT US TODAY TO LEARN MORE OR REQUEST A QUOTE (708) 388-2223



SterlingSolutions.com