

# TERRALAM<sup>®</sup> 700

**TerraLam CLT  
mats reduce risk  
on your jobsite**



Engineered for  
ultra-heavy equipment  
for **safer jobsites**



**Unmatched durability**  
compared to timber mats



**Reduced transportation  
costs and CO<sub>2</sub> emissions**

When your jobsite requires ultra-heavy cranes and equipment, you can't risk "good enough" mats. Ensure your equipment and crews are safe by using TerraLam 700 mats. These engineered CLT mats have lab-verified specifications and are field-proven to handle the heaviest loads.

Because TerraLam is lighter than traditional timber mats, you will need less time and manpower to move mats down the right of way. So not only are you keeping your equipment and people safe — you're keeping your budget and schedule safe as well.



Looking for superior safety? Contact us to learn more.  
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**STERLING**

Site Access • Ground Protection

# TERRALAM® FREQUENTLY ASKED QUESTIONS

**Q: How does the construction of TerraLam CLT mats make them more durable?**

**A:** Mat strength lies in its ability to transfer weight through the mat into the surface below. Bolted mats only transfer load at the location of the mechanical fasteners. **Adhered CLT mats transfer the load through every available square foot.** Additionally, the adhesive provides a moisture barrier at each layer, protecting the mat from eventual rot and decay.

**Q: Why is it important that TerraLam is an engineered product?**

**A:** Bolted mats and traditional timber mats are made with a variety of mixed hardwoods and softwoods, without consideration for lumber grade — resulting in inconsistency across mats. With an engineered product, you can be assured that **every mat delivered will perform to your specifications.**

**Q: How will TerraLam mats perform in extreme or less-than-ideal conditions?**

**A:** TerraLam mats have been **tested successfully in temperatures as low as -70°F and as high as 150°F.** While all wooden mats can be slippery in wet, muddy, and icy conditions, the solid top of TerraLam mats makes removing mud, snow, or ice much easier. Once TerraLam mats are traveled on, they become well-seasoned, mitigating slickness in challenging conditions.

**Q: Are TerraLam CLT mats safe for the environment, including wetlands?**

**A:** Yes, in fact they are superior in promoting environmental stewardship. **The adhesive becomes chemically inactive prior to leaving the Sterling facility,** presenting no harm to the environment.

The raw materials in TerraLam mats are farmed in approximately 25 to 30 years, where the hardwood species used in bolted mats can take 80 to 100 years to regrow.

Additionally, the solid surface and adhesive barriers between layers don't allow invasive species to embed themselves into the mats like with bolted mats.

**Q: Will the TerraLam mats delaminate or fall apart?**

**A:** TerraLam CLT mats are constructed with rapid-growth southern yellow pine #2 grade kiln-dried lumber, along with a moisture-activated polyurethane adhesive. The wood's existing water helps cure the adhesive, **creating an exceptional bond.** Independent laboratories, including the USDA Forest Products Laboratory, San Diego State University, and Henkel Adhesives, have validated the strength and durability of TerraLam products.

**Q: Can a TerraLam mat be repaired, or does it need to be disposed of once damaged?**

**A:** Since TerraLam mats are a solid block of wood, necessary **repairs can be done easily and at less expense than with bolted mats.** Repairs to bolted mats often require removing rusted or bent bolts and fragmented boards. Damaged TerraLam mats are safer on the jobsite than a damaged bolted mat, as a damaged CLT mat does not expose crews to puncture injuries or equipment damage.

**Q: What sizes are available?**

**A:** Currently TerraLam mats are available in 3-, 5-, or 7-ply construction.

- TerraLam® 300 – 8' wide x 14' or 16' long
- TerraLam® 504 – 4' wide x 16' or 18' long
- TerraLam® 508 – 8' wide x 16' or 18' long
- TerraLam® 700 – 8' wide x 16' or 18' long

**Q: We need mats that connect; is that possible with TerraLam?**

**A:** The TerraLam Connect System allows you to tether adjacent mats together to maintain the integrity of access roads and platforms. This application is particularly useful in wetlands and areas that are experiencing heavy rain or flooding. TerraLam mats can also be fitted with interconnecting fingers that work in the same manner as traditional bolted access mats.

**Q: Do I need special equipment or additional manpower to tether mats with the terralam connect system?**

**A:** The TerraLam Connect System is easy to use and can be completed by one person with a drill driver. Installation requires no pre-drilling. Simply lay the TerraLam Connect strap with each end on adjacent mats. Use a drill-driver to install the screw through the hole on the bolt plate until it is tight against the mat. More detailed instructions can be found in the TerraLam Product Guide.

**Q: How do I move the mats once the Terralam Connect System is installed?**

**A:** Prior to moving mats, the TerraLam Connect strap and lag screws must be removed. At the conclusion of a project, straps and screws should be collected and returned to Sterling with the TerraLam mats. The straps and screws will be inspected and re-used or recycled.

**Q: Is it best to rent, lease, or buy TerraLam mats?**

**A:** Sterling prides itself in creating long-term relationships, not maximizing transactions. A Sterling expert will review your project and work with you to determine whether it's best for your business to rent, lease, or buy TerraLam mats.

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