



*Stronger. Smarter. Cleaner - Better.*

## ***Innovation from Hunter Paine Enterprises.***

Lexite™ is a structural wood replacement composite that is stronger than wood, more durable, lighter weight and impervious to insects, mold and bacteria.

Embed RFID technology in Lexite™ for the complete logistics solution!



**Patented Lexite™ Composite**

### ***Benefits of Lexite™***

#### ***Significantly extends pallet life***

- Up to 5 times stronger, more durable than wood

#### ***Enables reliable asset tracking***

- Embedded RFID capability prevents risk of tag damage or tampering

#### ***Significantly expands pallet use***

- *Critical applications* – 100% phytosanitary for clean room, food and other products
- *Engineered applications* – for custom size and load bearing requirements
- *Global applications* – Classified as an environmentally sustainable G4 material
- Lexite™ is made primarily from post consumer waste, including scrap tires, recycled paper and glass.

### ***Lexite™ Leading Edge Boards – Stronger, Smarter - Better***

Reduce Pallet Failure - Leading Edge Boards (LEBs) made from Lexite™ can significantly reduce pallet failure, an estimated cause of over 75% of all wood pallet failures.

#### ***1" x 4" Leading Edge Boards***

	<b><i>Wood</i></b>	<b><i>Lexite™</i></b>
<b><i>Available with embedded RFID tags for customer tracking</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Exceeds pallet industry standards and specifications</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Exceeds both wood and plastic static and dynamic load capacities</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Reduces handling and occupational risk to workers</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>100% reusable, repairable and recyclable</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Can be relied on for long term use in closed loop pallet pools</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Does not splinter</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Does not absorb water</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Can be made to exact measurement and strength specifications</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Ideal for automated pallet manufacturing applications</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Predictable, providing consistent performance</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Dimensions remain stable in all weather conditions</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Uniform product, eliminating knots and surface imperfections</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Can withstand 3 times the nail withdrawal forces of wood without splitting</i></b>	<b><i>NO</i></b>	<b><i>YES</i></b>
<b><i>Can be ordered and cut to size</i></b>	<b><i>YES</i></b>	<b><i>YES</i></b>
<b><i>Can be nailed or glued</i></b>	<b><i>YES</i></b>	<b><i>YES</i></b>
<b><i>Can be seamlessly integrated into pallet repair and manufacturing operations</i></b>	<b><i>YES</i></b>	<b><i>YES</i></b>



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## **Lexite™ Pallets – Performance Guaranteed**



**Performance** – Lexite™ Pallets outperformed wood pallets in tests conducted by both the Military Defense Ammunition Center and Virginia Polytech.

- *Lower repair costs*
- *Fewer replacements*

**Logistics** – RFID enhanced Lexite™ Pallets provide the ultimate shipping and logistics platform for high value, closed loop pallet pools.

- *RFID and other tagging devices*
- *Shock and sound absorbency*

**Useability** – Lexite™ Pallets increase the number of viable applications for pallets including food grade, clean room and global applications.

- *Phytosanitary*
- *Moisture resistant*
- *Environmentally sustainable G4 material*

**Flexibility** – Lexite™ custom engineered solutions make dimensions of eight feet or more possible. Completely customizable – configuration, dimensions, strength

- *Greater strength / no knots*
- *Less product damage*
- *Lower total cost of ownership*

### **Smart Lexite™ with embedded RFID tags**

**Lexite™ is the only heavy load bearing material available with integrated RFID capability.**

Satisfy new supply chain logistics requirements from the U.S. Military and large consumer retailers.

- *Reduce*
  - Inventory errors
  - Shrinkage
- *Improve*
  - Labor efficiency
  - Supplier connectivity



Instead of RFID, or other tagging enhancements attached to the outside of wooden pallets, Lexite™ allows these devices to be completely embedded in the material, thereby:

- *Preventing damage and tampering*
- *Insuring readability and accuracy*
- *Improving data integrity*
- *Enhancing and extending tag readability*

### **Hunter Paine Enterprises, LLC**

Hunter Paine Enterprises, LLC is a privately owned materials technology company focused on developing durable, cost effective, patent protected technologies used as replacements for wood in commercial and industrial applications.

For more information visit us at [www.LEXITE.com](http://www.LEXITE.com) or call 1-888-LEXITE1

Hunter Paine Enterprises, LLC 3687 Mt. Diablo Blvd., Suite 315, Lafayette, CA 94549  
(925) 299-2930 Office (925) 299-1773 Facsimile (800) 850-4396 Toll Free [www.LEXITE.com](http://www.LEXITE.com)

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