

DRIVEN BY INNOVATION, Prolam has developed WINGOLITE, a composite floor that optimizes weight savings without compromising on floor strength, stiffness and durability.

## Wingolite: Built without compromise!

Our laminated hardwood floors are made from the best hardwoods and built with no compromise on quality in any steps of the manufacturing process.

A layer of a superior hot-melt polyurethane glue.

Our exclusive fiber-reinforced epoxy layer is the lightest on the market without any compromise on strength.

Composite floor thickness currently used in the industry

1 1/8"  
1 3/16"  
1 1/4"  
1 5/16"



**WINGOLITE**  
110 to 150 pounds lighter than any other composite floor on the market

**HIGHER return on your investment!!!**

### OPTIMIZE YOUR INVESTMENT

For the same investment in other composite floors, PROLAM's WINGOLITE composite floor weighs 110 to 150 pounds less!

That means more fuel savings, better payloads, and lower overall operating costs.

## YOUR HARDWOOD TRAILER FLOOR MUST BE MOISTURE RESISTANT.

**WHY?** When your trailer floor is soaking wet and the moisture content is over 23%, it loses over 35% of its strength and hardness and over 25% of its rigidity. Prolam offers three innovative technologies that help keep moisture content levels under 18%—the ideal level for durable trailer floors.

Protecting your floors from damaging moisture has never been this easy!



### P·u·R

**Never-before-seen protection for wood trailer floors.** PuR's hot-melt polyurethane reactive undercoating is used on the underside of laminated trailer floors to eliminate degradation issues associated with traditional water-based paint.



### WAXIN

WAXIN creates a virtually waterproof barrier of protection for hardwood floors, penetrating the surface up to 0.125 inches deep. WAXIN penetrates the wood fiber, ensuring optimum water resistance, even as the surface of the floor becomes worn. WAXIN will stay in place even with forklifts and pallets repeatedly being moved across the floor.



### ZigZag

Your trailer floors are stronger, more solid, and have greater fatigue resistance. Zig-Zag prevents water from penetrating your floors: with over 90% of Zig-Zag joints sealed tightly during assembly, your trailer floors are significantly more protected against water than traditional joints.



SUSTAINABLE FORESTRY INITIATIVE  
100% SFI-certified floors available only from Prolam.

For more information, visit:  
[www.prolamfloors.com](http://www.prolamfloors.com) or call 800.883.3975

**PROLAM**  
Driven by Innovation

  
Wingolite

Lighter.  
**Stronger.**  
Smarter.

**PROLAM**

PROLAM introduces the lightest composite floor available in the industry!

Have you ever considered using a composite floor, but the weight savings were just not enough to justify the investment?

Do you already use composite flooring in your dry van trailers, but feel as though you're not saving enough on weight?

OPTION #1

## Wingolite Classic

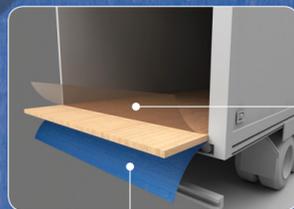
To maximize the weight savings and/or strength of your dry van floors for heavy cargo like paper rolls, automotive parts, beverages, etc.

Then you need to take a look at PROLAM's **WINGOLITE composite floor — the lightest on the market today!**



### PROTECT YOUR INVESTMENT WITH PROLAM!

If you're planning on adding composite floors to your fleet of dry van trailers and want to make sure you get the most bang for your buck, contact PROLAM today!



Fiber-reinforced epoxy ply

Wingolite with WAXIN 8 protection

## Wingolite-Hybrid: A combination of the best of each solution!

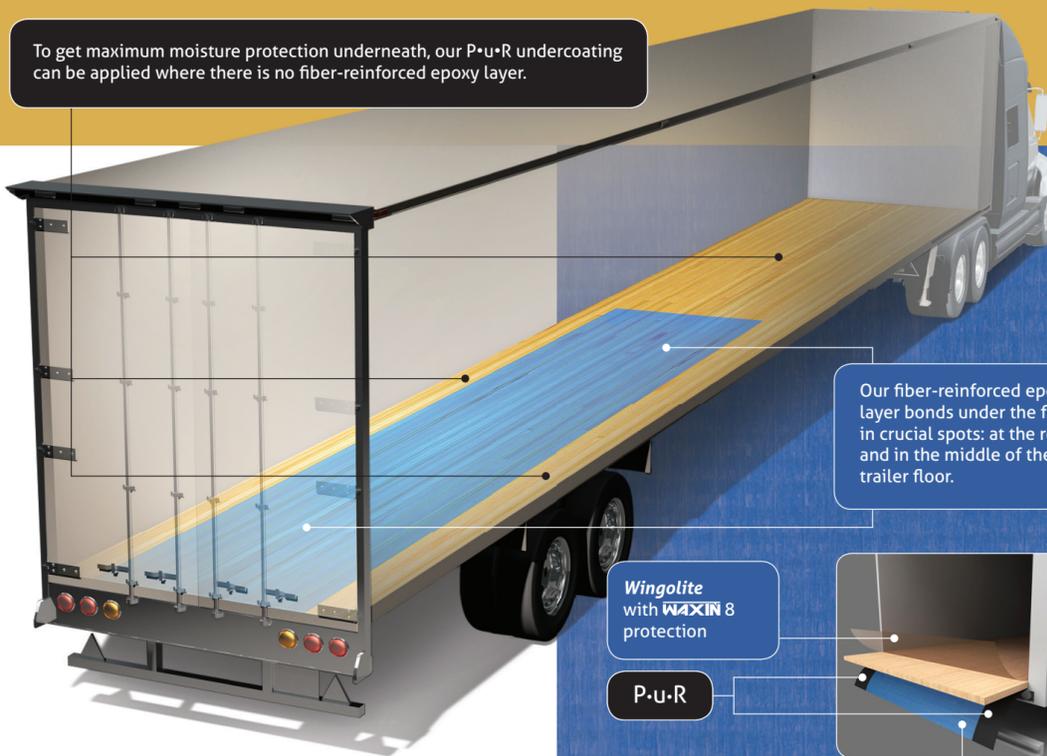
When you need strong floors but aren't worried about weight savings, it's better—and smarter—to reinforce only a portion of the laminated hardwood floor.

OPTION #2

## Wingolite Hybrid

Get stronger floors with less of a weight penalty where it counts, for **30% to 40% less cost** than with *Wingolite*-Classic.

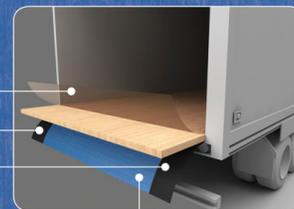
To get maximum moisture protection underneath, our P•U•R undercoating can be applied where there is no fiber-reinforced epoxy layer.



Our fiber-reinforced epoxy layer bonds under the floor in crucial spots: at the rear and in the middle of the trailer floor.

Wingolite with WAXIN 8 protection

P•U•R



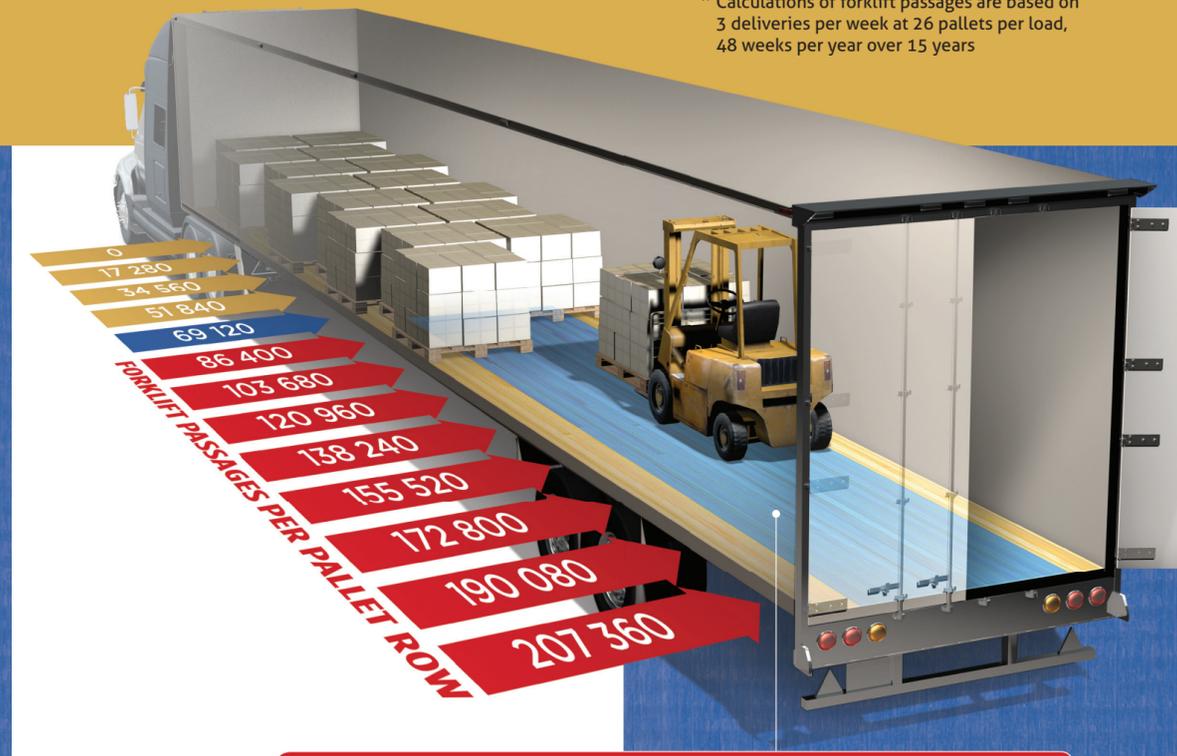
Fiber-reinforced epoxy ply

### THE CONCEPT BEHIND WINGOLITE-HYBRID

The central area of the floor is where heavy forklift passages are most frequent. With PROLAM's innovative solutions, you may only need to reinforce that section of the floor with fiber-reinforced epoxy ply, while the other areas of the floor can be protected from moisture using a standard water-based undercoat or even better: PROLAM's very durable P•U•R moisture protection product.

### Number of forklift passages per pallet row from rear to front of trailer\*

28' from the rear door undergoes **66%** fewer forklift passages versus the first 4 feet of the floor near the rear door



\* Calculations of forklift passages are based on 3 deliveries per week at 26 pallets per load, 48 weeks per year over 15 years

High-stress ZONE that sees more forklift passages and more risk of floor damage.