

# Engineered for Adventure

## Strong and Lightweight Composite Laminates for Recreational Vehicles and Caravans



### PRODUCT OVERVIEW

**Polystrand™ Continuous Fiber Reinforced Thermoplastic Laminates** are produced by combining continuous glass fibers with a thermoplastic resin to form a unidirectional (UD) composite tape. These UD tapes are then thermally bonded together to create multi-axial laminates.



Unidirectional Tape



X-Ply™ 0°/90°



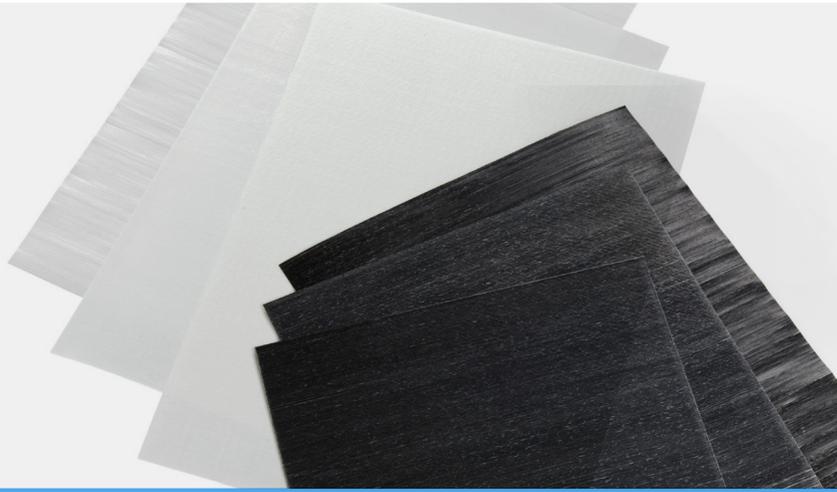
Tri-Ply 0°/90°/0°



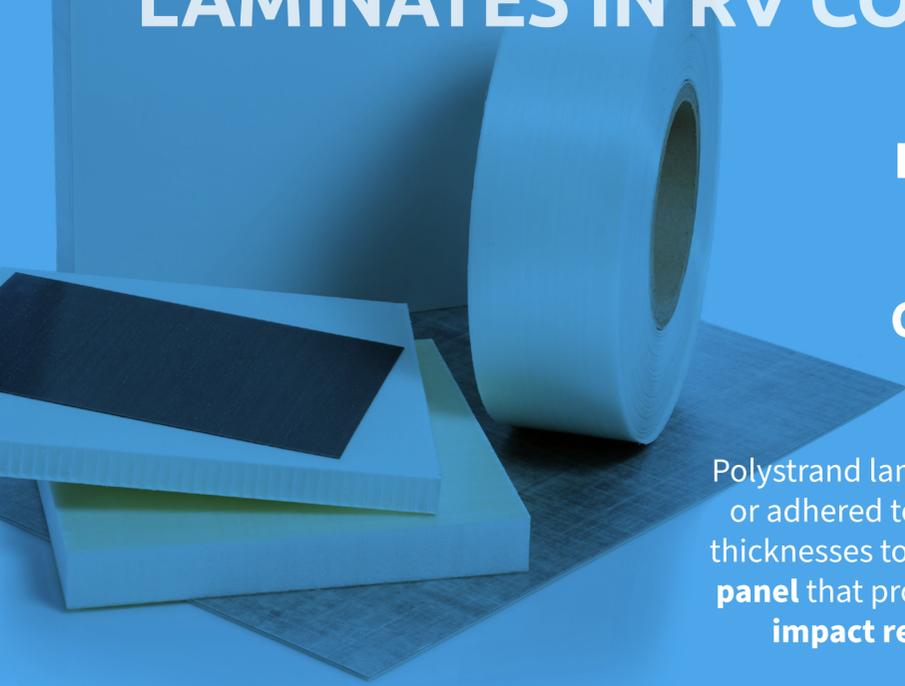
Quad-Ply 0°/90°/90°/0°

### Customization with Composite Laminates

Polystrand laminates can be tailored by resin type, fiber volume, axial orientation, core material, and are available with cosmetic films or scrims.



### LAMINATES IN RV CONSTRUCTION

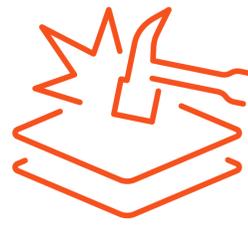


LAMINATES  
+ CORE  
=  
COMPOSITE  
PANEL

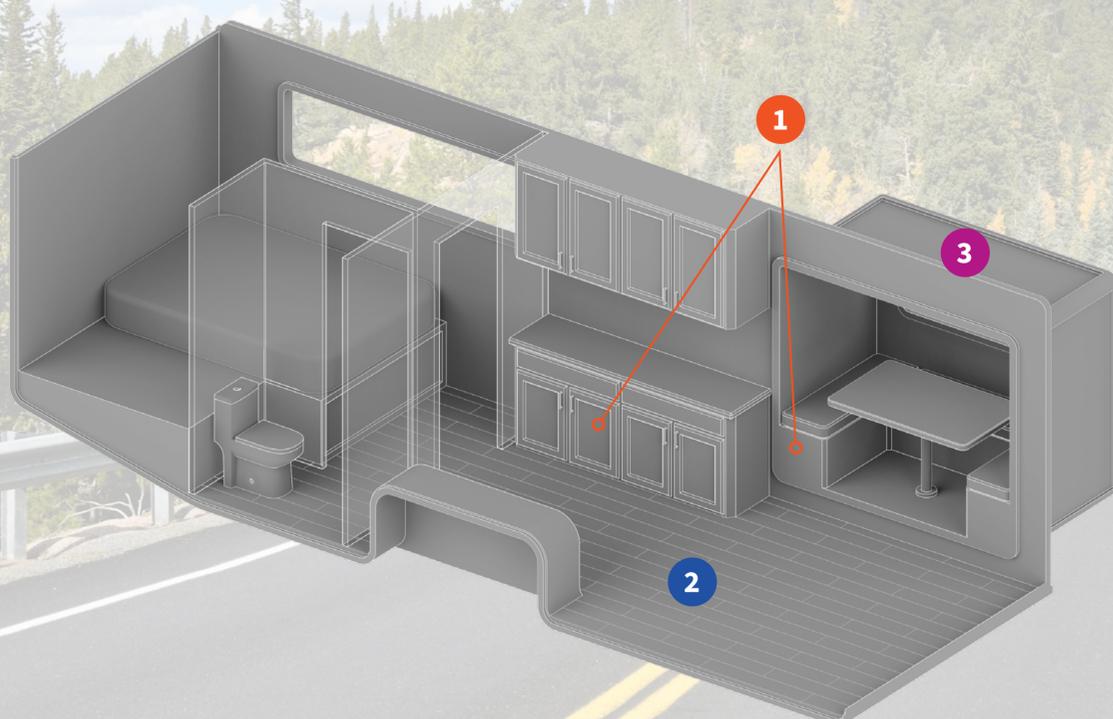
Polystrand laminates can be thermally bonded or adhered to a variety of core materials and thicknesses to create a **lightweight composite panel** that provides **strength, durability, and impact resistance** to RV components.

### Outlast the Ordinary

Compared to wood, Polystrand composite panels are:



**MORE DURABLE**  
Rot, moisture, and chemical resistant



- 1 Cabinetry & Furniture
- 2 Subfloor & Flooring
- 3 Roof Panels