

# Fiberglass Resin vs Epoxy Selection Guide

BLG Fiberglass - Composites Reference 2026

## Pick by property

### 1 Lowest cost, fast cure

Polyester resin for high-volume, non-structural laminating.

### 2 Corrosion and chemical service

Vinyl ester for tanks, ductwork, and marine barrier coats.

### 3 Strongest bond, low shrink

Epoxy for structural joints and secondary bonding.

### 4 Repairs over cured laminate

Epoxy grips a sanded, cleaned cured surface far better.

## Avoid the common mistakes

### 1 Do not overspend on epoxy

Non-structural production parts rarely need it.

### 2 Prep before bonding

Sand and clean any cured surface before laminating over it.

### 3 Never laid polyester over raw epoxy

It can stay tacky and never fully cure.

### 4 Measure epoxy accurately

Off-ratio epoxy stays soft. Use weight or volume, not eyeball.

### 5 Follow the SDS

Styrene and epoxy exposure both require ventilation and PPE.

Questions? Visit [blgfiberglass.com](https://blgfiberglass.com) to get in touch.