

Industrial Fiberglass Repair Guide

BLG Fiberglass - Composites Reference 2026

Diagnose before you grind

1 Tap test the whole area

A dull thud marks delamination past the visible damage.

2 Identify the failure type

Cosmetic, structural crack, delamination, or core damage.

3 Reach sound laminate

The repair must extend past the damage on every side.

4 Dry the substrate

Resin will not bond to a wet or contaminated surface.

Repair the right way

1 Grind a tapered scarf

Around a 12 to 1 taper spreads load across many plies.

2 Match ply orientation

Glass is directional; the wrong weave direction is weaker.

3 Pick the resin for the job

Epoxy for structure, vinyl ester for corrosion service.

4 Cure fully and warm

Cold or off-ratio cure leaves the repair soft and weak.

5 Follow the SDS

Styrene vapour and glass dust require ventilation and PPE.

Questions? Visit blgfiberglass.com to get in touch.