



PUNCTURE REPAIR

for truck body panels with
Polyurethane foam core

IMPORTANT INFORMATION

- Working with resins and power tools comes with health and fire risks. We recommend to consult with your local resin and tool supplier before starting with this repair!
- Total Composites does not recommend or endorse specific brands or suppliers for this repair.
- All information provided in this guide is a result of our own testing and expertise.
- If you are not comfortable to do this repair your self we recommend to consult with your local auto body or marine repair shop.
- Total Composites will not be responsible of the outcome and potential personal injury or property damage.

WHAT'S NEEDED:

- Personal safety gear (glasses, dust masks, ear protection.....)
- Fiberglass (unidirectional, strand)
- Polyurethane foam block (not spray foam)
- Sanding supplies
- Cutting tools (angle grinder, jigsaw.....)
- Hand layup lamination tools (brushes, rollers)
- Polyester resin, MEK (follow manufacturers recommendations and instructions!)

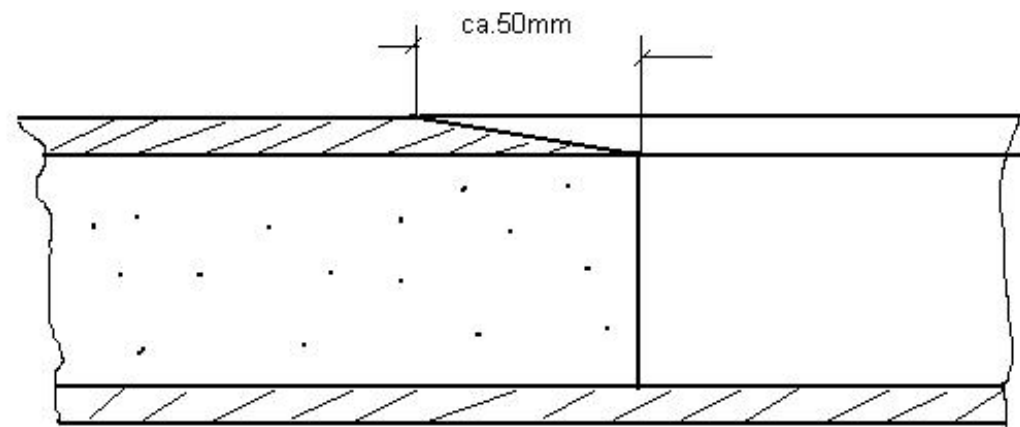
Use angle grinder or jigsaw with shortened blade to cut through the **TOP FRP** layer.
Do not cut through the opposite laminate!!



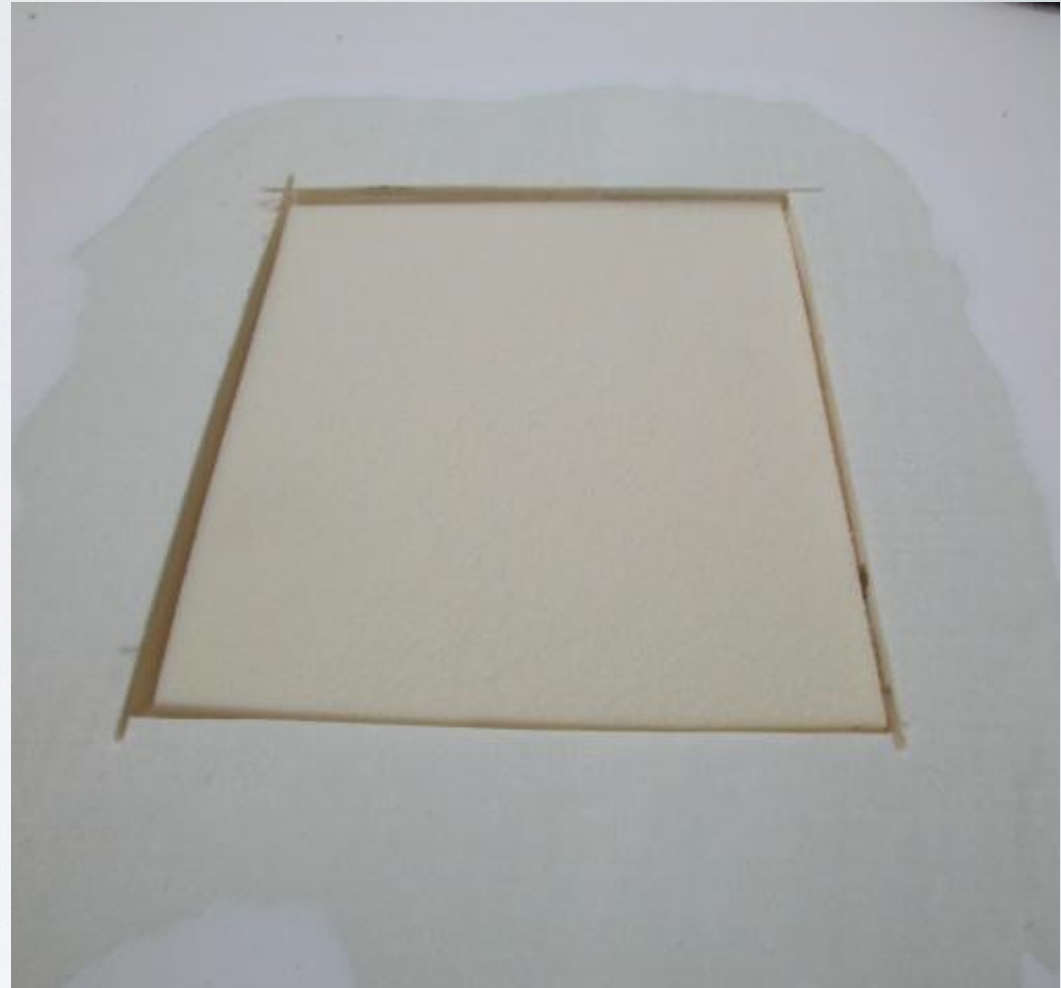
Remove foam insulation with chisel or other sharp tool. Try to keep the sides at 90 degrees.



Sand/grind the FRP edges to a
~50mm/ 1.5" bevel.



Fill void with Polyurethane foam block. Make sure block is undersized by 1/8"/3mm all around. Take out and put aside.



Lay out void with non directional fibreglass cloth. Saturate everything with Polyester resin. Fold edges over the beveled FRP skin. Insert Polyurethane foam block.



With the use of a brush, saturate fibreglass cloth with resin. Use a lamination roller to remove air bubbles and excess resin.



After resin is cured, fill surface with automotive micro filler. Sand and fill till smooth and even. After this stage you can apply automotive finish to blend repaired area in with surrounding.



TOTAL COMPOSITES

The logo graphic consists of a thick horizontal line extending from the left edge of the text 'TOTAL COMPOSITES' to the right. Above the right end of this line, there are three stacked, horizontal bars of varying lengths, with the longest bar at the bottom and the shortest at the top, resembling a stylized 'T' or a composite structure.

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