



FILLING EXISTING OPENINGS IN THE FIELD

Follow these instructions when repairing old holes in walls in the field that are larger than ½" in size.

STEP 1:

Cut foam insulation to fit into the opening and place in the opening, making sure that there are no significant gaps anywhere between the patch and the existing foam. Make sure it is flush with both sides of the wall.



STEP 2:

Cut 6 pieces of 1.5 oz fiberglass cloth roughly 2-3" bigger than the opening. Prepare the edge of each strip by pulling small amounts of fibers away from the edges. This will create a better blended edge than if the edges are left blunt.



Blunt Edge



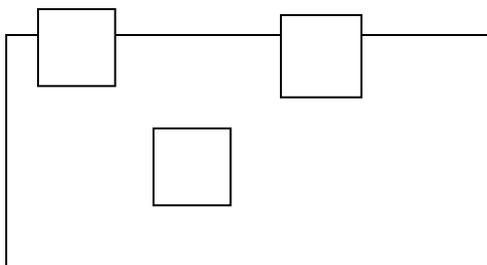
Pulled Edge

STEP 3:

Sand around the opening smoothing out any rough edges and removing all stray fiberglass fibers. Scuff the gel coat surface slightly on each side of the opening, roughly 1" out from the opening, using 80 GRIT sandpaper.

STEP 4:

Layout 3 of the pieces of fiberglass to be applied to the opening, on a work surface next to each other.





For the next steps you will need to the following:

- 1) 1 Quart of Resin
- 2) 1 – 11 oz tube of Liquid Hardener
- 3) Mixing Sticks
- 4) 32 oz White Cup
- 5) Small Paint roller
- 6) Gloves
- 7) Clean surface with paper to work on.

STEP 5:

Wearing Gloves and OSHA Approved Splash Guard Safety Glasses, mix $\frac{1}{2}$ of the Quart of Resin and $\frac{1}{2}$ of the 11 oz tube of Liquid Hardener into the 32 oz Cup. Mix thoroughly. **YOU NOW HAVE NO MORE THAN 20 MINUTES TO WORK WITH THE RESIN.**

STEP 6:

Pour the resin on to the 3 pieces of fiberglass, using the paint roller to saturate the fiberglass.

STEP 7:

Carefully put a piece over the opening, making sure that it overlaps all sides of the opening. Use the roller and more resin if necessary to completely saturate the fiberglass with resin and to adhere it to the wall. Make sure to remove any air bubbles.

STEP 8:

Repeat until all 3 pieces have been stacked on each other, the one side is completely covered. Repeat on the other side.

STEP 9:

Once the fiberglass has hardened and is dry to the touch, sand the surface down, removing any burrs and rough patches. Using a yellow plastic putty knife, apply and smooth out a layer of Bondo over the fiberglass glass to fill all the air holes and imperfections. Once the Bondo dries, use 80 grit sand paper to finish sand the Bondo and blend the patch into the wall.

STEP 10:

You will need the following:

- 1) 1-Qt of White Gel Coat
- 2) 1-11 oz tube of Liquid Hardener
- 3) 1-32 oz cup
- 4) Stir Sticks
- 5) 1-Chip Brush
- 6) Gloves

Mix up about $\frac{1}{4}$ 32-oz cup of White Gel Coat with $\frac{1}{4}$ tube of liquid hardener.



STEP 14:

Using a paint roller, apply the White Gel Coat to the joint.

STEP 15:

Check gel coat once dry, about 30 – 40 minutes, depending on temperature and humidity. To touch up any areas that look thin or fill small holes, mix up a small amount of Gel Coat and Liquid Hardener and use a new Chip Brush to apply the Gel Coat where needed.

FOR ADDITIONAL ASSISTANCE, PLEASE CONTACT:

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