Bartop Crack Repair Instructions

REQUIRED MATERIALS:

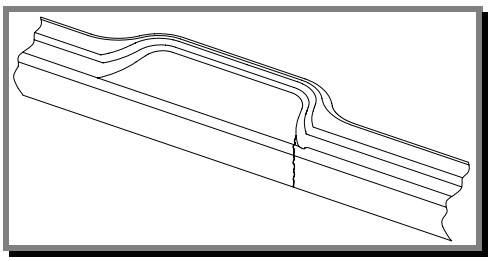
Safety Glasses
Latex Gloves
Claw Hammer
Reciprocating Saw
Extension cord
3/8" Variable Speed Drill
Aluminum Oxide Grinding Stone
Sanding Discs for Drill
Sand Paper - 36 grit
Heavy-Duty Flameless Heat Gun
Paint Scraper (PN 50017)
Masking Tape
Plywood
Acetone or Lacquer Thinner
Clean Cloth or rag
Drop Cloth
Nails

SAFETY REQUIREMENTS:

- ✓ Safety glasses, latex gloves and respirator.
- ✓ Read all enclosed MSDSs prior to the start of repair.
- ✓ Close all containers after each use. Many of the compounds are **flammable**.
- ✓ Keep all compounds away from heat, spark or flame. Vapors may cause flash fire.
- ✓ Perform this procedure in a well-ventilated area.

NOTES:

- ✓ Inform the spa owner that the spa will need to be drained prior to technician's arrival.
- ✓ The average cure time is 60 minutes. This repair can be done in the field. However, if the ambient temperature is outside the range of 60-80^{o}F, the spa should be shaded or moved to an area that can ensure the proper surface temperature.



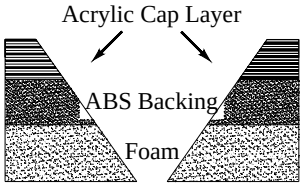
Cracks can occur on any part of the bartop. When this happens, the shell must be reinforced on the backside as well as the front side.

Disconnect the power, drain the spa if spa owner has not done so, and thoroughly dry the area(s) to be repaired.

Use a drop cloth to cover any area of the spa or surroundings that will be exposed during the repair.

Preparing the shell:
Clean the area using the cloth and acetone or lacquer thinner.

When starting this type of repair, you must first terminate the crack. This will prevent further cracking after the repair. Using a drill fitted with a cutting tool, remove all of the material and open up the ends. It is necessary to cut the sides at a 45^{o} angle.



V Cut the surface damage with
with 45 degree sides.
Cut through the ABS backing

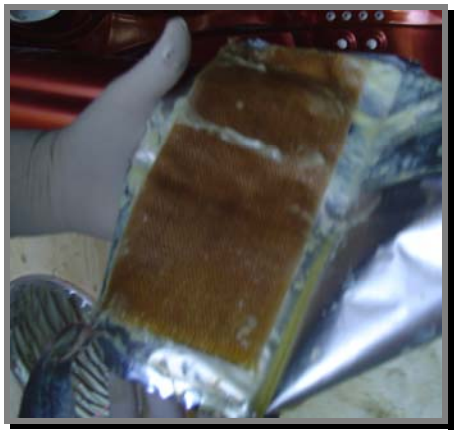
It is important to have clear access to the crack area from the backside of the spa. You will have to remove the following parts:
- Wood slats/siding
- Structural foam with the claw side of the hammer
- If necessary, remove spa components and cut away portions of the equipment compartment walls.

- It may be necessary to remove wood structures using a reciprocating saw or equivalent. Any wood that is removed should be kept for re-installation.
- Additionally, any foam that is in the repair area will need to be removed.
- If plumbing lines are obstructing the area, they will need to be moved and secured with tape so that the work area is not obstructed. ***Be sure to mask off any plumbing lines and compression fittings before starting the repair.***

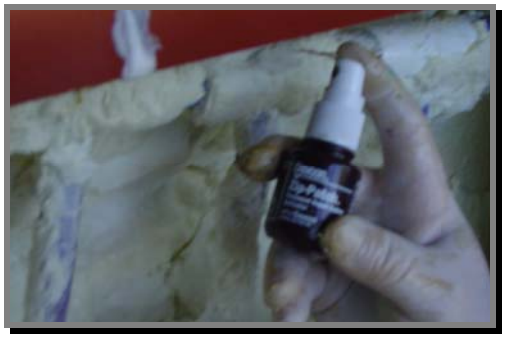
Once the foam has been removed, thoroughly clean the spa using the following steps:
- Using the scraper, remove any foreign material (such as foam) from around the crack area.
- Sand the cleaned area with 36-grit sandpaper.
- Wipe down the cleaned area with acetone or lacquer thinner.
- Dry wipe the sanded area with a cloth to remove any sanding dust.

***IMPORTANT*:** This area must be completely free from dirt and debris to ensure adhesion of the Zip Patch™.

Applying the Zip Patch™ to the shell:
Make sure that the prepared area is completely dry by wiping it down with a cloth and acetone or lacquer thinner.
NOTE: This patch will cover a 4" x 9" area.



Using latex gloves, open the Zip Patch™ by carefully peeling away one side of the foil pouch to expose one surface of the patch. Spray the exposed patch surface lightly but completely (including the corners) with the activator. The patch will darken in color when it is properly activated.



- Press the activated patch over the crack and carefully peel back the remaining foil.
- Using the plastic applicator provided, gently smooth the patch from the center to the edges to remove any entrapped air.
- To complete the activation, spray the entire exposed patch with the activator. Allow 15 minutes to set. This application will generate heat.

To fill and finish the crack repair:
See the appropriate surface repair instructions.