



MARINE EMERGENCY REPAIR KITS


PREPARATION AND APPLICATION INSTRUCTIONS

READ ALL INSTRUCTIONS PRIOR TO OPENING PACKAGES!

PATCH REPAIR

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1 Clean and roughen surface using supplied sanding cloth or wire brush if applying over bottom paint. Wearing supplied gloves, open Syntho-Patch® foil package, remove patch and soak in temperate water for 20 seconds to activate resin system. If applying underwater, apply patch directly.
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2 Apply patch directly over center of damaged area. While applying constant pressure against damaged area with one hand, smooth outer edges of patch onto the surrounding surface for approximately 2 to 2.5 minutes using only moderate pressure. Begin forcefully pushing all exposed areas of the patch onto the repair surface. *Note:* this timeframe is a critical part of the process as the patch will begin to set within 1 to 2 minutes.
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3 Once Syntho-Patch® is adhered, continue lightly holding in place and gently smoothing edges again to ensure complete adhesion to substrate.





Note: the resin contained within the enclosed patch contains an added catalyst which will emit slight heat during application due to the fast curing time. This is expected and not harmful. The patch will cure within 2 to 5 minutes, depending upon water temperature.

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LEAK REPAIR, PRESSURIZED SYSTEMS

Reduce Pressure to 60psi(4.1378bar) or below

- 1**  Clean and roughen surface using supplied solvent cleaning wipe and sanding cloth. Wearing supplied gloves, knead epoxy putty until uniform in color. Roll into a rope or ball and place firmly into joint or crack.
- 2**  Wrap Pressure Sealing Tape in an overlapping manner, working toward the putty and pushing putty downward into the crack/hole. Wrap firmly in place by stretching the tape to its MAXIMUM tension DIRECTLY over the putty, until the leak has stopped. DO NOT CHASE THE LEAK as each wrap provides additional pressure. Use the entire roll of provided tape.
- 3**  Remove Syntho-Glass® roll from foil pouch. **SOAK IN TEMPERATE WATER FOR 20 SECONDS TO ACTIVATE RESIN SYSTEM.** Begin application approximately 2" (5cm) to the left of the repair area and continue wrapping approximately 2" (5cm) beyond the repair. Wrap Syntho-Glass® using 50% overlap. Use the entire roll of provided material. Wrap as tightly as possible.
- 4**  Squeeze and mold Syntho-Glass® in the direction of the wrap, removing excess water and spreading resin until tacky to touch (30 sec). Allow 2 to 5 minutes @75°F (24°C) before resuming pressure.

LEAK REPAIR, NON-PRESSURIZED SYSTEMS

- 1** Clean and roughen surface using supplied solvent cleaning wipe and sanding cloth.
- 1a**  **Joint/Potable Water:** Wearing supplied gloves, knead epoxy putty until uniform in color. Roll into a rope or ball and place firmly into joint or crack.
- OR**
- 1b**  **Crack:** Remove adhesive backing from Butyl Patch and apply directly over break. Press firmly once applied.
- 2**  Remove Syntho-Glass® roll from foil pouch. **SOAK IN TEMPERATE WATER FOR 20 SECONDS TO ACTIVATE RESIN SYSTEM.** Begin application approximately 2" (5cm) to the left of the repair area and continue wrapping approximately 2" (5cm) beyond the repair. Wrap Syntho-Glass® using 50% overlap. Use the entire roll of provided material. Wrap as tightly as possible.
- 3**  Squeeze and mold Syntho-Glass® in the direction of the wrap, removing excess water and spreading resin until tacky to touch (30 sec). Allow 2 to 5 minutes @75°F (24°C) before resuming pressure.