

PVC Seam Fast Repair Instruction

Bubble found from seam showing chamber leaking, the leaking is especially located on joined seam.



Tape or mark down the leaking location. Inflatable the boat to 3.6 PSI (25Kpa) and leave it dry for 24 hours. Air leaking will help the leaking spot dry fast. You can use heat gun or hair dry to speed it up.



Before you start the repair, keep the boat chamber just inflated but soft. If you will use the electric pump, you may not read any pressure from the screen. So we can inject the thin glue from outside of seam leaking spot.



The repair material will include:

Cleaner: Acetone, Methyl Hydrate, clearing cloth

PVC Glue, Glue thinner - MEK (Methyl Ethyl Ketone), Glue Hardener (optional)

Needle with special head, glue container (used bottle)



Procedure:

- Clear up the repair area, make sure no dirt or sand. Make sure the glue container is dry.
- Give 20ml glue in the container; mix with 5 to 10 ml MEK in it. Mix up well, Can add 2 -3 ml PVC glue hardener as optional. If the leaking is small, you may give more MEK, if the leaking is bigger, then the glue should not be too thin.
- Put the glue into the needle, this needle is not easy to find and it comes with a plastic head, Seamax can provide this needle for repair. Don't use the needle from pharmacy with a sharp head.
- Insert 1/8 inch to 1/4 inch needle head into the leaking spot. Push the needle hard and inject the glue into the seam. The glue can go deeper is better. The best result is the glue can be injected inside the chamber.
- In some case, you may see the glue leaking out from another leaking spot nearby. Then you may not need to inject the glue from that spot.
- Let the extra glue getting out if you give too much from the needle, when you think you have finish injecting the glue, wait for a while and push hard the seam, make sure they can contact well and the leaking spot should be sealed.
- Don't give any pressure to the chamber within 48 hours, after 2 days, you can inflatable the boat and check the leaking again, you can start over again if you can't get it fix in the first repair.
- Plastic needle can be recycle using, even you may see the glue mark & dry out inside, it is easy to get out the glue mark and make it work again. MEK will help to clear up the needle after using.

Mix the thin glue in a recycle bottle container.



Put the glue into the needle.



Inject the glue from the leaking spot.



Done and leave it dry for 48 hours, inspect the result and make sure all fixed.



NOTE: Seamax can provide: PVC Glue with Glue hardener (total 100ML), MEK in a small container (50ML), Acetone (50ML), Glue injection needle. Extra material should be able to find from local store like homedepot or Canadian tire. MEK & Acetone can be purchased from local painting store. Please know all above items are belong to dangerous goods, we can only ship with small amount for one time boat repair using (except local pickup).