

REPAIR-ALLTM

by SNO-SEAL[®]



FLEXIBLE ADHESIVE REPAIR KIT

- **CLEAR**
- **NON-FLAMMABLE**
- **CLEANS UP WITH SOAP AND WATER**
- **EXTREMELY FLEXIBLE**
- **WATERPROOF REPAIR**

This makes Repair-All ideal for everything Welt-Seal does and many new applications that will meet the needs of far more users. Reach for Repair-All whenever a flexible and waterproof repair is needed.

EXTREME STRENGTH AND FLEXIBILITY

- Repair-All should be applied between 50° and 80° F.
- After curing Repair-All maintains strength and flexibility from -40° to +150° F

It can stretch to **8 times** its length enabling it to adhere to material as flexible as a nylon tent and material that is twisting and folding like a rope or a wet suit.

It has UV protection for lasting waterproof repairs in the outdoors like a tent, convertible top, camper corners and seams, and water toys.

Repair-All resists salt water and mildly acidic and alkaline water, and most water based liquids. It even provides short exposure resistance to a wide range of solvents.

ADHERES TO MOST SURFACES

Repair-All adheres well to almost any clean dry material except styrene, polyethylene, polypropylene and fluoropolymer.

Rough and porous surfaces hold best. Glass, metals, plastics and wood all work well even when smooth and can often be improved with sandpaper.

It is excellent for repairing wear spots and tears in fabrics. It will fill the stitching holes of tents, clothes, shoes, awnings, covers, etc.

EXCELLENT ADHESION AND FLOW

The versatility of repair-all comes from its ability to continue flowing after application. Gravity will pull it into cracks, splits and tears, and also into the microscopic spaces between fibers of cloth. This makes it possible to get outstanding adhesion. Where other products can't penetrate and sit on the surface, Repair-All is still flowing and reaching more hidden surfaces to cling to for up to an hour after application. And because of its great flexibility, any force trying to peel it away is spread over a greater area than with more rigid adhesives. This ability to keep on flowing must be contained. A small gob on a flat surface will spread itself very thin unless it encounters a barrier.

CURING TIME

Cure time is always very important with Repair-All. It cures by the evaporation of its solvent, so thin and exposed patches cure much faster than heavy and covered applications.

If possible, use thin breathable patch material rather than a non-porous material. This is also why the tube should be capped as quickly as possible. If you are doing time consuming repairs with small amounts of product, transfer a working amount to a little poly bag and quickly cap the tube. You can work from the poly bag for 10 or 20 minutes and then start with another fresh dab.

If patching non-breathable material curing can be very slow.

PREPARATION

Optimum preparation usually requires cleaning and abrasion. First, remove all loose dirt, wax, oil, silicone, or unstable material using Sport-Wash, alcohol, or other solvent and let dry. Then roughen smooth surfaces with sandpaper or other abrasive. Fluoropolymer DWR will have to be sanded away for maximum adhesion.

If uncertain about a repair, always test the materials to verify your technique and the suitability of Repair-All. Before using on important or valuable repairs, seek advice from a professional, the manufacturer of the item to be repaired or from Atsko at 803-531-1820 or info@atsko.com. Because we do not control the conditions of use, Atsko liability is limited to the price you have paid for our product.



TENT SEAM REPAIR TIPS

Most tent manufacturers recommend using a seam sealer to fill the stitch holes so water cannot pass through when tension against the threads causes the holes to elongate. Repair-All is excellent for this purpose because it will remain flexible for many years. You may test a few inches first to ensure that it is not repelled by any treatment on the material. Apply to the inside to be invisible on the outside. Squeeze a small bead for a couple feet of a seam. Apply a piece of 2" wide clear carton tape centered over the seam. Press the edges down first to prevent excessive spreading. Now draw your finger or wood stick down the tape to evenly distribute the adhesive below the tape. Move on to the next two foot section of seam. Leave tape in place for 12-24 hours so you don't expose Repair-All while it is still tacky. Remove tape and allow Repair-All to cure for 48 hours before folding tent. A little cornstarch makes it less sticky.

SHOE REPAIR

Two excellent ways to contain and direct the flow of Repair-All are with gravity and with tape. It will flow deep into the separation of sole from a shoe by simply resting the boot on the opposite side and letting gravity slowly draw it in.

After a few minutes wrap the sole to the shoe with temporary tape to keep the gap closed while Repair-All sets up and cures.

If the gap can be spread to just 1/8 inch, the supplied brush can help spread repair-all in the crevice.

If it can spread to 1/4 " the supplied extension tube can channel Repair-All to the center of the widest shoe.

Even a 1/16 gap, will allow the included wood stick or a knife blade to enter. Repair-All does not need to be thick to be strong.

PATCHING TEARS OR HOLES IN TENTS AND CLOTHING

Patching a cut or torn fabric is good example of another technique using tape.

Determine which side you will patch and call this the top.

Place the fabric top down on a blue tarp or other clean work surface.

Spread it as flat as possible and apply packing tape to the bottom side (now facing up).

Extend the tape a few inches beyond in every direction and smooth it down to get good adhesion to the bottom.

Strip the fabric and tape off the tarp together and turn it top up.

INSTRUCTIONS AND TIPS

Cut a piece of patch material to extend an inch or two beyond the hole from a similar material. (Tents usually have a small bag for poles or stakes that can be used for a matching patch.)

Clean patch and the area to be patched with Sport-Wash, alcohol, or acetone.

Dry them and coat both lightly with Repair-All. Let them lie flat for ten minutes with adhesive up so that the Repair-All can level itself perfectly.

Now apply the patch and cover it with carton tape so that you can smooth out any bubbles or folds.

After 10 to 24 hours, Repair-All will have stopped flowing and formed a less sticky surface so the tapes can be removed allowing Repair-All to fully cure.

Do not peel, stress or inflate it for at least 48 hours.

Tape is also handy to form containment if a thicker coating is desired like on a worn sole or fabric. It delays curing, but makes it possible to hold a build-up of Repair-All in position without it flowing away.

PATCHING INSIDE FOR SOME MATERIALS

Waders, wet suits, etc. can be patched on the inside where the polyester cloth is much more porous than the neoprene side. Repair-All will penetrate through the polyester liner making a waterproof seal to the neoprene.

For small repairs, no patch material will be necessary.

If patch material is required choose a piece of loose weave flexible cloth.

ALL RUBBER REPAIR TIPS

If you must patch rubber on rubber allow 5 to 10 minutes of leveling and curing before pressing the patch into place. This will allow it to begin losing solvent, but you should allow 4 or 5 days for full cure before inflating or use.

PVC REPAIR TIPS

PVC is not breathable. If you must make a large PVC patch on PVC, consider using a PVC solvent cement, but if you can patch with a bit of cloth, Repair-All will make a more flexible patch.

We are extremely excited about the versatility of our new Sno-Seal Repair-All.

We welcome your comments and pictures of unique applications and will post them on the website for the benefit of others. The extreme versatility of SNO-SEAL REPAIR-ALL makes almost any repair possible.



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