

# TEAR-AID® APPLICATION INSTRUCTIONS

## REPAIRING GENERAL TEARS AND HOLES

For best results apply to a clean, dry surface. Clean the surface to be repaired with an alcohol prep pad, or a 50/50 mixture of rubbing (isopropyl) alcohol and water. **Before proceeding make sure surface is dry, and you have the correct patch type for the kind of material you are repairing.**

Surface temperature of the materials to be repaired should be 50° F or warmer. Do not put repaired material into a washer or dryer.

- STEP 1. CUT:** Cut patch to size with scissors allowing for the patch size to extend 1 inch beyond all edges of the tear. If using more than one patch, allow for patch sizes to overlap at least 1 inch. Trim square corners into rounded corners.
- STEP 2. PEEL:** Carefully peel back ½ inch of paper liner. Tearing the paper liner while stretching the edge of the patch will help to separate the liner from the patch - especially when the patch has been cut into smaller sizes.
- STEP 3. STICK:** Position and anchor exposed ½ inch edge – allowing the patch to extend 1 inch beyond all edges of the tear. Slowly peel back the liner while carefully applying the patch over the tear – take care to avoid air bubbles. Rub all edges to seal. Rub entire patch aggressively. Repair is complete.

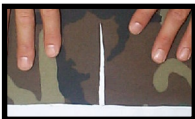
## REPAIRING TEARS EXTENDING THROUGH AN OUTSIDE EDGE

Follow steps 1 thru 3 with the following adjustments:

**Cut** the patch size to extend a full 1 inch beyond the edge of the torn material.

**Peel and Stick**, positioning the patch **leaving a 1 inch tab extended beyond the outside edge** of the torn material.

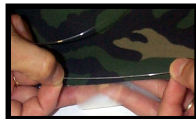
- STEP 4. Turn the material over**, so that the adhesive side of the tab is facing up.
- STEP 5. Position reinforcement filament** tightly against the outside edge of the material by sticking it to the patch tab. The filament should be perpendicular to the open end of the tear to create a tough solid edge.
- STEP 6. Fold over** the patch's 1 inch tab and rub to adhere to the backside of the material – sealing in the reinforcement filament.
- STEP 7. Apply another patch** to the backside of the patched tear (so that both sides of material are patched) Rub entire patch aggressively.
- STEP 8. Trim excess line.** Repair is complete. **(80lb Test Fishing line is our suggested reinforcement filament line)**



Tear on Edge



Apply Leaving 1 inch Tab Beyond Edge



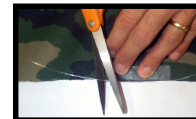
Apply Reinforcement Filament



Fold 1 inch Tab Over Filament



Apply to Back Side



Cut Filament to Width of Patch



Repair Complete

## REPAIRING HOLES ON GROMMET MATERIAL (TIE-DOWN RINGS/HOLES)

Follow steps 1 thru 8 with the following adjustments:

**Cut** the patch size to extend a full 3 inches beyond the edge of the torn material.

**Peel and Stick**, positioning the patch centered over the existing ring/hole **leaving a 3 inch tab extended beyond the outside edge** of the torn material.

**If necessary, replace the grommet (tie-down ring)** by placing a new grommet into position before applying the patch and folding the tab over the reinforcement filament.

**Carefully cut a hole** inside the ring by using a clean, sharp blade to trim the Tear-Aid® repair patch from inside the grommet. Rub the new hole edges aggressively. Repair is complete.

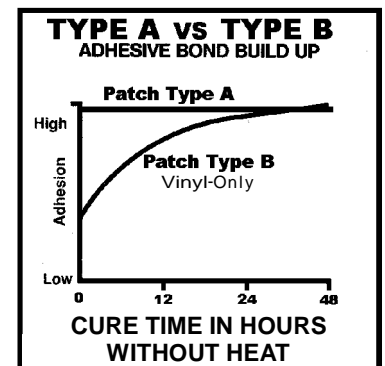
## HEATING IS AN OPTION AND NORMALLY NOT NEEDED.

### HEAT TO SPEED UP CURING TIME (OF VINYL-ONLY TYPE B)

For Tear-Aid® Vinyl-Only Type B - to transform the good initial bond to an extremely high bond that would otherwise take 24 hours of curing time - After the patch is applied to the tear, heat to a range of approximately 180° F to 350° F with a heat gun briefly. **Heat time will vary depending on size of patch.** As the adhesive hot melt occurs, the patch see-thru clarity may change and appear easier to see-thru. **Allow repair to cool before handling.**

### HEAT TO IMPROVE BONDING OF PATCH TYPE A TO UNEVEN, UNUSUAL, OR HARD-TO-ADHERE-TO PRODUCTS

For Tear-Aid® Original Type A - Initial adhesion is extremely high. After the patch is applied to the tear - heat to a range of approximately 180° F to 350° F with a heat gun briefly. **Heat time will vary depending on size of patch.** As the adhesive hot melt occurs, the patch see-thru clarity may change and appear easier to see-thru. This will improve bonding to hard-to-adhere-to products like non-corona treated polyurethane and some unusual synthetic fabrics. **Allow repair to cool before handling.**





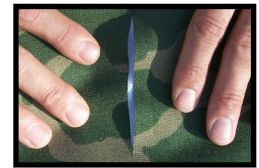
**ORIGINAL**  
**TYPE A**

**TO REPAIR:**  
CANVAS  
MOST FABRICS  
RUBBER  
NEOPRENE  
MOST PLASTICS  
NYLON  
FIBERGLASS  
STAINLESS STEEL  
ALUMINUM  
POLYETHYLENE  
POLYPROPYLENE  
POLYURETHANE  
NON-OILED LEATHER  
SUNBRELLA®

**VINYL-ONLY**  
**TYPE B**

**TO REPAIR:**  
VINYL AND  
VINYL-COATED  
MATERIALS

TEAR-AID® TYPE B HAS A NEW, UNIQUE ADHESIVE THAT RESISTS THE OILS IN VINYL THAT CAUSE OTHER ADHESIVES TO FAIL



ALIGN EDGES



PEEL AND STICK



REPAIR COMPLETE

**PRODUCT DESCRIPTION**

The TEAR-AID® repair patch is made from an exceptionally tough, matte finish, abrasion resistant, polyurethane elastomer that resists puncture and tearing. It is combined with an aggressive adhesive formulated for high strength bond to a variety of surfaces such as canvas, leather, rubber, nylon, most plastics, paints, aluminum, stainless steel, fiberglass, polyurethane, polyethylene, polypropylene, vinyl and vinyl coated material. Patch Type A and Type B provide a simple and easy method of patching holes and tears as well as an excellent protective film.

**TYPICAL PHYSICAL PROPERTIES AND PERFORMANCE CHARACTERISTICS**

Note: 1. The following technical information and data should be considered representative or typical only and should not be used for specification purposes.  
2. Metric values are listed in parentheses.

**DIMENSIONS:**

Approximate Thickness:  
Film: 0.004" (0.10mm)  
Total: 0.012" (0.30mm)  
Approximate Weight:  
1.1 oz/SqFt. (350g/SqM)

**TEMPERATURE:**

Approximate Range:  
TYPE A: -20°F TO 140°F  
TYPE B: -20°F TO 190°F

**PHYSICAL PROPERTIES:**

Property	Test Method	Units	Results
Tensile	ASTM-D882 Method A	lbs/in (N/10mm)	32 (560)
Elongation % @ Break	ASTM-D882 Method A	%	600

**ADHESIVE PROPERTIES:**

The pressure sensitive adhesive provides excellent adhesion to most common surfaces when properly prepared and applied.

TEAR-AID® REPAIR	PATCH A	PATCH B
ADHESION: ASTM-D1000		
(24 hr. dwell): 180" Peel	Oz./In. (N/100mm)	Oz./In. (N/100mm)
SUBSTRATE:		
Aluminum:	90 (99)	60 (66)
Stainless Steel:	105 (110)	82 (90)
G-10 Epoxy/Fiberglass:	94 (103)	89 (98)
Polyethylene Sheet:	102 (112)	
Polypropylene Sheet	102 (112)	
Vinyl		102 (112)

**PRODUCT REPAIR LIST**

- |                             |                   |                           |                     |                   |
|-----------------------------|-------------------|---------------------------|---------------------|-------------------|
| Awnings                     | Water Toys        | Sleeping Bags             | Cots                | Softsided Luggage |
| Inflatable Furniture        | Storage Covers    | Auto Convertible Tops     | Duffel Bags, Totes  | Tarp Repairs      |
| Rain Gear                   | Waterbed Leaks    | Boat Covers, Tops & Seats | Mosquito Screens    | Scuba Wetsuits    |
| Umbrellas                   | Portable Shelters | Truck Covers & Tarps      | Banners             | Scuba Drysuits    |
| Soft Shelters               | Fishing Waders    | Large-Format Printing     | Ventilation Ducting | Vinyl Windows     |
| Canvas, Nylon/Plastic Sails | RV Awnings        | Tents                     | Backpacks           | Air Mattresses    |

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