

# Heat Shielding Paper

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## Aqua Pro Neo-Patch application instructions

Neo Patch is a repair fabric for Neoprene; it can repair and reinforce Neoprene in seconds.

**PERMANENT – FLEXIBLE - STRONG**

### Please read all the instructions and caution notes before starting

1. Wash product that is to be repaired in fresh water and allow to completely dry. (Do not attempt to repair an area that is not completely dry) Special note for single lined suits:  
**NOTE:** If you are repairing the unlined surface of your wetsuit, clean the unlined surface for repair with an acetone type product like nail varnish remover, this will remove the impurities from the surface of the raw neoprene that may resist the heat activated adhesive.  
**CAUTION; always test the cleaning product to make sure that it does not cause damage to the neoprene.**
2. Pre-heat a household iron to DRY, no steam and on Acrylic or Nylon. NOTE: this setting may be LOW or Delicate on some irons. The temperature range for **Neo-Patch** is 125°C to 170°C or (257°F to 340°F). It is advisable to make a test on your neoprene at the lower end of the temperature range using the **heat shielding paper** prior to embarking on the repair proper. An iron that is too hot may damage your neoprene. Under no circumstances allow the temperature on your iron to exceed 170°C (340°F)
3. Cut the **Neo-Patch** with sharp scissors leaving round corners, to cover desired area. The **Neo-Patch** should be about 25mm larger on all sides than the damaged area.
4. Place item that is to be repaired on a firm flat and secure heat-proof surface. Place **Neo-Patch** adhesive coating side down over area to be repaired.
5. Cover the entire **Neo-Patch** with this **heat shielding paper**; **THIS SIDE UP.** **Do not cut the heat shielding paper.**
6. With a pre-heated household iron set approx. 340F dry, no steam. Press Aqua-Neo-Patch down firmly for 10 seconds. Lift and rotate iron. Press down firmly again for approx. 15 more seconds. Allow a few minutes for cooling. Check to see if material is secure.

NOTE (for large area repairs you will need to repeat this process to secure entire **Neo-Patch**.)

7. CAUTION: Any material subjected to long periods of extreme heat can be damaged. The times we have suggested are averages. We suggest you try a small test piece before attempting larger repair.
8. Some repairs may require a second heat application cycle with more pressure.

#### Problems:

If the **Neo-Patch** does not fully adhere to your wetsuit it is probably due to either: The iron not being hot enough; The "iron on" process was too short in time scale; Not enough pressure was applied to the **Neo-Patch** during the "iron on" process; The wetsuit has not been rinsed well enough in fresh water; The wetsuit was not completely dry before the application.

#### Polysoft Protective lining

**Polysoft** is an abrasion resistant flexible and waterproof substrate which is an integral part of **Aqua-Patch**. The **Polysoft** layer is sandwiched between the **Aqua-Patch** outer nylon fabric and the bottom layer of heat sensitive adhesive. The **Polysoft** layer is designed to help increase the life of neoprene and protect against normal abrasion.

#### Neo Patch Heat Shield Paper **USE THIS SIDE UP**

These instructions have been printed on our unique Heat Shielding Paper. This heat stable paper is used to protect neoprene from excessive heat and is reusable over and over again. **Aqua-Patch should not be used without our heat shielding Paper.** Our heat Shielding Paper allows heat to pass through its surface and also maintains a buffer to help prevent scorching of fabric.

#### Tips for Sleeves and Legs

When applying to sleeves, legs and other irregular surfaces, insert an appropriate sized piece of wood into the leg or sleeve opening. This will allow you to apply direct pressure onto the single layer of the neoprene. These small items may require more pressure and longer times than standard flat surfaces.