

## Universal Welding Ribbon Instructions for Use

### **Product Description:**

UNIVERSAL PLASTIC WELDING RIBBON was developed using the latest polymer technology and highest quality materials.

UR is specially formulated to meet and exceed the strength requirements to produce a superior repair when plastic welding.

UNIVERSAL PLASTIC WELDING RIBBON can be used on all types of plastics, such as Polypropylene, TPO, TPE and Polyurethane (Thermoset)

UNIVERSAL PLASTIC WELDING RIBBON CAN BE SANDED

### **Directions for Use:**

With a 36 to 50 grit disc, remove paint and contaminants from the damaged area, then "V" grind and taper the edges of the tear extending about 1 ½" on either side of tear and half way through the material. Always start your repair on the non-visible side.

Hold the tear together with aluminum tape on the opposite side of your repair  
(Part # RM770)  
(Aluminum tape also helps retain the heat and produces a better weld).

Place a piece of welding reinforcement screen (Part # RM990) into the "V" grind area so it extends one inch on each side of the tear. With the welding shoe flat press the screen completely into the plastic and cool.

Preheat the UR ribbon on one side then turn over and lay flat on the repair area, with a steady motion move the flat end of the air less welder shoe in a circular motion. This will join the molten ribbon weld onto the original plastic part completely covering the welding reinforcement screen (Part # RM990).

Continue this process the full length of the tear. Cool the weld.

You can repeat the above process with multiple layers of welding reinforcement screen for added strength.

Note: This screening process can also be used to make tabs, repair holes, etc.

On the reverse side of the tear remove the aluminum tape (visible side), "V" grind a ¼" groove along the tear until the welding reinforcement screen is visible.

When welding Polyurethane bumpers preheat the base material before applying the UR welding ribbon.

Preheat the UR ribbon on one side then turn over and lay flat into V grind area, with a steady motion move the flat end of the air less welder shoe in a circular motion. This will join the molten ribbon weld onto the original plastic part completely covering the welding reinforcement screen (Part # RM990).

Once the weld is cooled, sand the weld repair and surrounding areas with 80-120 grit paper at slow to medium speed.

Do not to create too much heat with the sander, as this will cause the plastic to melt and ball up.