

Instructions for assembling KayakPro paddles.



You will need the following:

- Hot Glue Gun and adhesive
- Measuring tape
- Masking tape
- Fine toothed hack saw
- Hair dryer or Steam Kettle
- Carpet or Box knife
- Sandpaper
- File

To Assemble:

1. Measure the paddles to determine the required length.
2. Score the shaft with a Carpet knife the place where the paddles are to be cut. This will prevent "break-out" of the shafts.
3. Cut the shaft on the score line with the fine hacksaw being careful to minimize the "break-through" on the final saw blade cuts.
4. Clean the inside of the shaft with some fine Sand paper and remove all dust.
5. Gently file the outside of the shaft to create a small angle and key on the cut edge
6. Key the insert part of the blade-end with the sandpaper. Remove all dust.
7. Insert plastic shrink-wrap plastic handgrips over the shaft, and move to the middle of the blade.
8. Tape the ends of the shaft and blades with masking tape to avoid overspill of Resin/ Adhesive onto the shaft and blade.
9. Apply the hot adhesive inside the shaft, making sure the coverage inside is all around the shaft, a small wooden spatula may be helpful for this. Note: "Hot" adhesive is generally used as it allows the opportunity to re-heat and re-set the blades, the angles and the length of the paddles. Epoxy adhesives can also be used however epoxy adhesives tend to be permanent.
10. Apply hot adhesive to the blade-end insert. A generous application will ensure that the adhesive is covering the inset ends all the way around.
11. Insert the blade end into the shaft; once inside rotate the blades to ensure the coverage inside is complete and consistent.
12. Repeat for other end, ensuring the desired angle is set correctly. (Angles from around 60 – 75 degrees tend to be the norm. Paddles with adjustable shafts, will not be subject to the same requirement as far as determining the angle is concerned.)
13. Remove the masking tape to the shaft
14. Lay the carbon fiber tape on a flat surface, with a flat spatula spread the glue or adhesive over it, (in order get absorption of the adhesive). Then wind the Carbon threads around the joint and onto the filed area of shaft, to fill the joint gap, seal the ends and give support to the shaft.
15. Once set, remove the masking tape to the blades.
16. Locate the black plastic handgrips at the desired location, and then with a heat gun, hair dryer or steam from a kettle, whilst rotating over the heat source, shrink the plastic onto the shaft. Be careful not to over heat the plastic hand-grip otherwise it is possible to over extend the elastic limit of the plastic causing deterioration of the hand-grip.

Note : If Hot glue is used, be careful not to leave your paddles in the sun for long periods of time otherwise the glue may de-set!