

Mixing Instructions for Thigh Block Install Kit

The installation kit supplied with your River Elf thigh blocks contains a two part epoxy system consisting of resin and hardener. It also includes a vial of black pigment and a container of powdery micro balloons.

General Information:

Resin Mixing Ratio: Use **three parts** Resin to **one part** Hardener.

Working Time: 20 – 25 minutes at 75 °F

Cure Time: 10 – 12 hours

Pigment Mixing Ratio: Use **one teaspoon of pigment** per **4 ounces** of resin/hardener mixture.

A convenient way to measure small amounts of resin and hardener is to use a regular sized plastic spoon (teaspoon) available at any grocery store. **Measure accurately** and mix in a sturdy plastic cup. Be careful not to contaminate your resin or hardener supply.

For reference:

8 teaspoons = approximately **1 ounce**

thus,

six teaspoons (resin) + two teaspoons (hardener) = one ounce of ***resin/hardener mixture***.

Tips for Making the Resin/Hardener for the Reinforcement Work:

After super gluing the thigh blocks temporarily into place, you will need to mix epoxy resin for the inside Kevlar reinforcement work. Make enough resin/hardener mixture to reinforce both thigh blocks during the same session.

We recommend using 2 ounces of resin/hardener mixture for this job. Add 12 teaspoons of resin and 4 teaspoons of hardener into a sturdy plastic cup and mix thoroughly.

Tips for Making the Micro-Balloon Mixture:

Make enough micro balloon mixture to do both thigh blocks during the same session. Be sure that all of your prep work is done and that the thigh blocks are masked off so that the micro-balloon mixture can be applied in a clean manner.

We recommend using 2 ounces of resin/hardener mixture for this job. Mix the contents in a separate mixing cup before transferring them into the zip lock bag for dispensing. Mix in the following order:

- Add 1.5 ounces (12 teaspoons) of **RESIN ONLY** to your empty mixing cup.
- Add ½ teaspoon of black pigment and mix thoroughly.
- Add 0.5 ounces (4 teaspoons) of **HARDENER** to the cup and mix thoroughly.
- Add one heaping teaspoon of micro balloons at a time to your resin/pigment/hardener mixture – stirring in between each teaspoon.
- Keep adding micro balloons until you create a thick caulk-like substance. You will probably need 3-5 teaspoons of micro balloons. Mix thoroughly!
- Transfer the mixture into your zip lock dispensing bag and begin work.

Tips for Gluing the Foam Into Place:

Before applying any glue, be sure to mark the intended location of the foam on the underside of the deck using a black sharpie.

Use Weldwood Contact Cement (we prefer the gel formula) and apply to the underside of the deck where the foam will rest and to the side of the foam that will mate with the deck. Allow about five minutes for the cement to dry on each surface. You only get one shot at this, so carefully join the foam to the deck using the guide lines that you drew earlier.

IMPORTANT: Each thigh block is equipped with a drain hole at the peak of each block. Locate this hole and be sure to not glue the foam over this hole.

