

Name: Mr. Cornwell

What I am making: An Epoxy River Table

Dimensions/Measurements: 38" wide by 76" long

Tools Needed: Router, planer, bucket, drill, mixer attachment, heat gun, sander, gloves, portable saw, buffer, rags

Instructions can be found here: <https://www.youtube.com/watch?v=wDSbLQojweU&feature=youtu.be>

Flattening router sled: https://www.youtube.com/watch?v=E_s8WCMu0GQ

Calculating amount of epoxy: <https://www.youtube.com/watch?v=fD-iY8AzHRM&feature=youtu.be>

Installing Table Legs: <https://www.youtube.com/watch?v=5SF5fs05a4s>

(Ctrl + prt scr) is what you can screenshot photos of your instructions, then right click and paste into instructions.

Photo

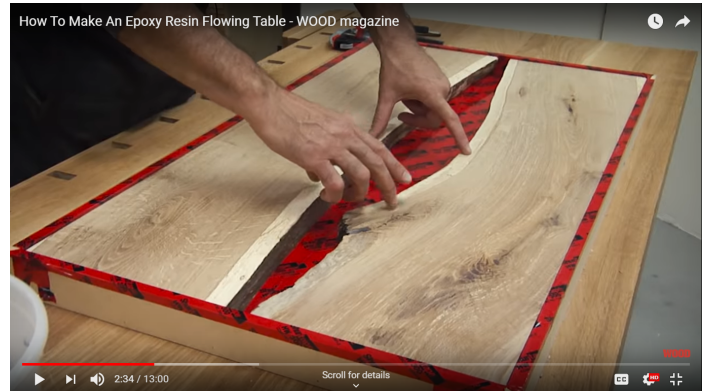


1. **Making the mold:** Making a 38" x 76" mold out of $\frac{3}{4}$ " MDF.
 - A. Pre-drilling the mdf so it does not split when screwing together.
 - B. Covering mold with teflon tape so the epoxy does not stick to the mdf.



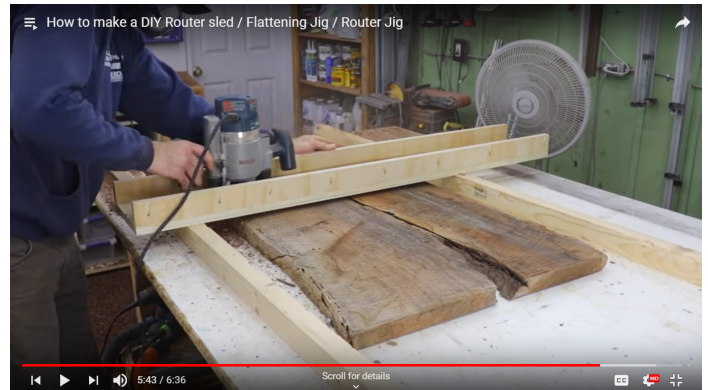
2. Making the slabs fit perfectly in the mold

- A. I am going to leave the sides live edge instead of square.
- B. The table top will be 1.5" thick.
- C. Use the planer to get to 1.875" thick
- D. Square the ends then cut with a portable saw.



3. Making the slabs perfectly flat.

- A. Make a router sled and a straight cutting bit to flatten your slabs down to 1.625 inches.
- B. Leave more than you need so you can repeat the process after the epoxy is cured.



4. Calculate the amount of epoxy needed.

- A. I will need 6 gallons for a dining room table.
About \$360 worth on Amazon.com

Watch this video to determine Volume

<https://www.youtube.com/watch?v=fD-iY8AzHRM&feature=youtu.be>

5. Mixing the epoxy

- A. Epoxy is 2:1 ratio
- B. Going to need two buckets for this.



6. Adding Dye and mixing with drill mixer

- A. Mix for at least 5 minutes.

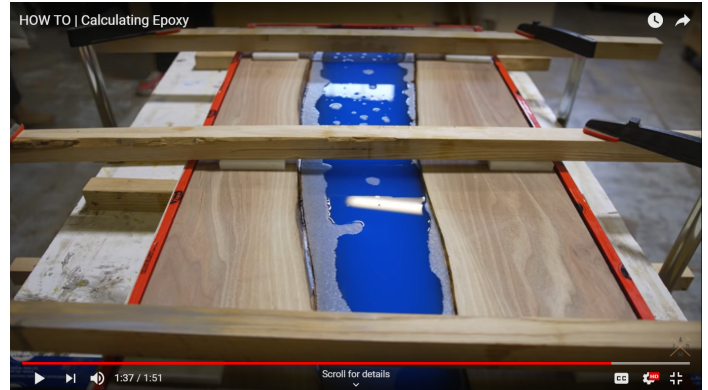


7. Pour it in, like a river

- A. Use a stick if you want to make a swirl design in the epoxy.
- B. Any rocks or items you put in the epoxy will sink to the bottom, they will not float.



8. Pop bubbles with heat gun



9. Wait a full week to let the epoxy cure.



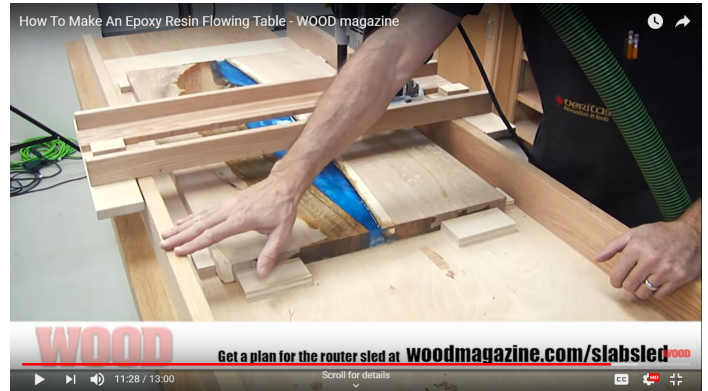
10. Remove top from mold.

- A. There most likely will be an epoxy leak.



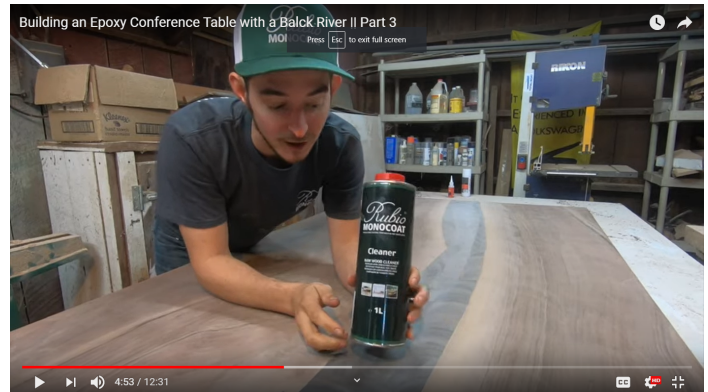
11. Flatten table with dried epoxy using router sled.

A. Use a level to make sure it is completely flat.

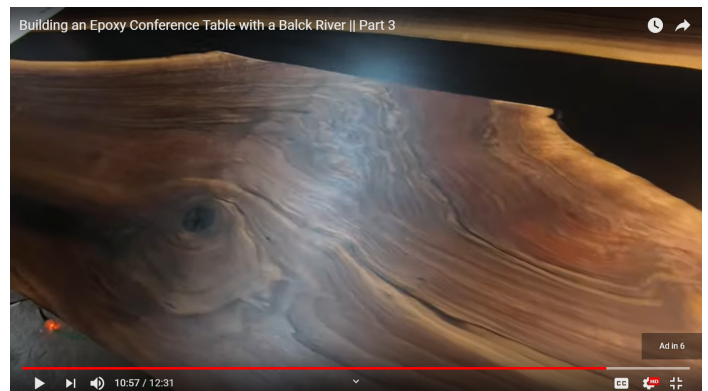


12. Sand and clean the table top.

A. I am going to use Rubio Monocoat.



13. Polish and Buff



14. Attach metal table legs

- A. Router in and install metal reinforcements
- B. Make legs removable, so table can be moved out of room.
- C. You could attach the legs first, then polish if you wish.

