



HOCK TOOLS

Blades and Such for Planes and More

Sharp & to the Point

The Hock Tools Newsletter

How-to: Glue a Wear Strip

from #6-2015

*I*saac Fisher, the woodworker who builds all of Hock Tools plane and scratch stock kits, provided this step-by-step on gluing the brass wear strip to our bubinga spokeshave body:

I took this same photo of the Hock Tools spokeshave kit from the **Q&A** article about Epoxy Kits in this same edition of *Sharp & to the Point*. You

are basically going to want that brass wear strip secured and epoxy is the best way to fasten it to the wood. A link to the instructions that come with the kit are included at the end of our little slide show here.



From this angle, the brass wear strip is barely visible, but it needs to be in place and securely fastened for proper use of the spokeshave.

Like all Hock Tools instructions — and each kit includes them — they will give you a more complete picture of what the spokeshave entails at your bench— *Linda at Hock Tools*

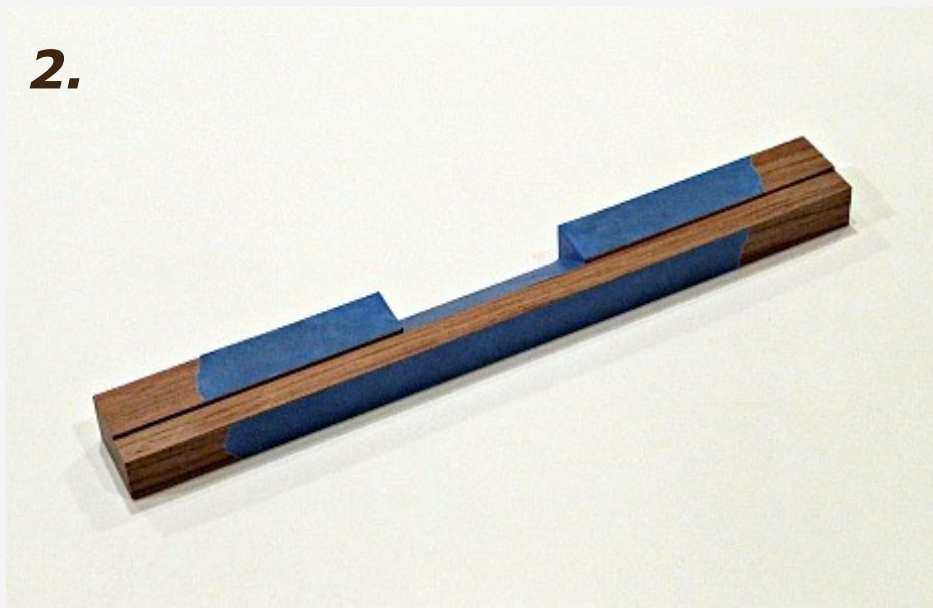
We already know that, whichever brand of epoxy you choose, it is important to read the manufacturer's instructions thoroughly. Also, *never* modify a manufacturer's mix ratio. —————>

1.



Scuff the brass strip with coarse grit sandpaper and then clean it with acetone before you apply the epoxy, a step that will strengthen the bond between metal and wood.

2.



Masking off around the joint will make clean-up easier and prevent the squeeze-out from soaking in and leaving stains. Clean up the squeeze-out before it cures using denatured alcohol or acetone.

3.



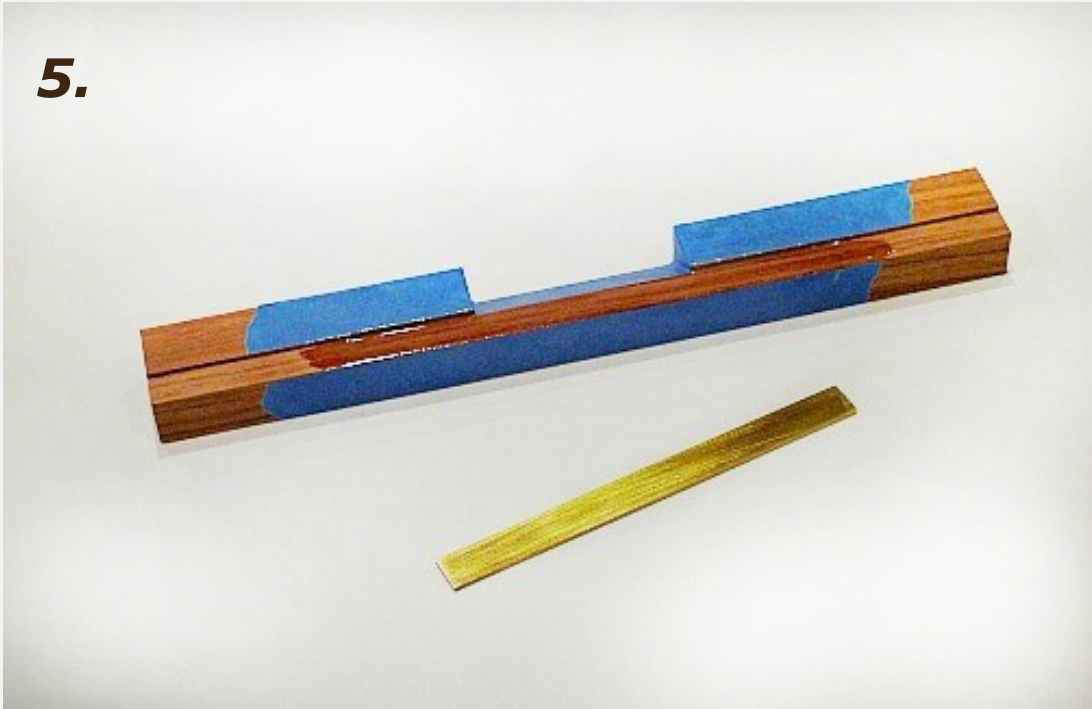
Never modify a manufacturer's ratio of epoxy components.

4.



Wooden stir sticks made from plain non-exotic wood or craft sticks are handy for stirring up the epoxy blend. Work fast, this stuff goes off quickly in the mixing cup. If you feel the cup getting warm, work faster!

5.



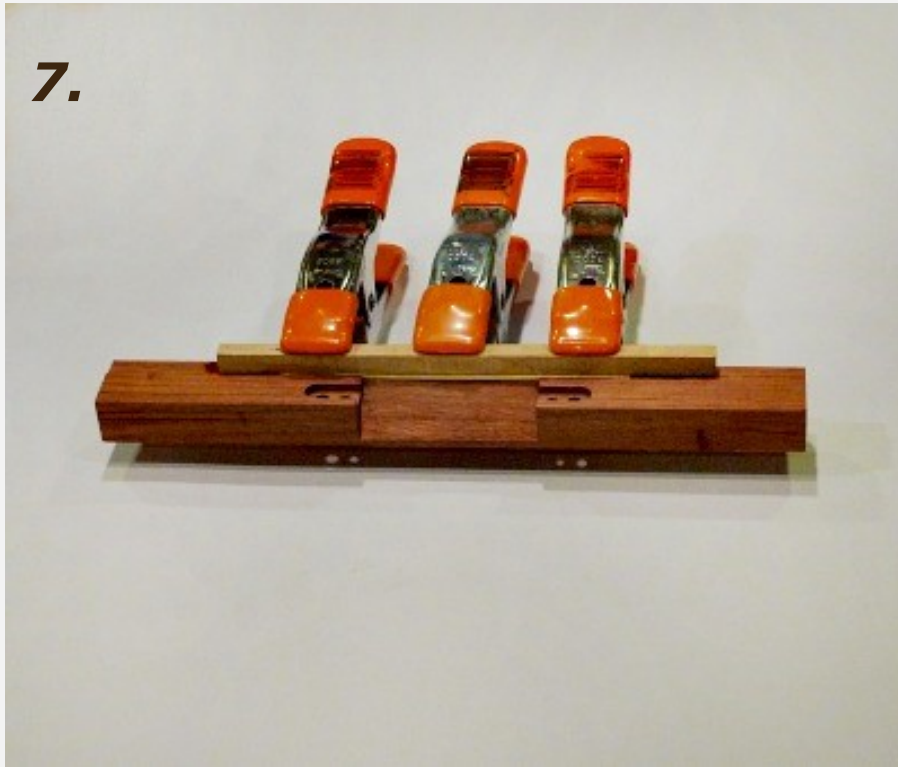
Get your brass wear strip ready...

6.



...and carefully stick it onto the kit blank.

7.



Coat a flat piece of wood with wax, and use it as a caul to clamp the wear strip until the glue sets. Light pressure is all that is needed. Once ready, wipe off squeeze-out, let cure overnight, then continue building.

And then, of course, *voilà!*

****Additional Safety Note not Found on Most Epoxy Containers:**

Epoxy generates heat as it cures, which speeds up the cure rate, which generates more heat, etc. Once the epoxy is spread as a thin layer on the joint, the heat will dissipate into the wood and air, but the excess left over in the cup will become quite hot and can be quite dangerous if not disposed of properly. Even a small batch of mixed epoxy like the one in these photos can become much too hot to hold comfortably, and could even start a fire. The more epoxy is left in the cup, the hotter it gets and the faster it happens.

As an experiment, I encourage you to mix a little extra epoxy and leave your leftovers in the cup this one time to see what happens. Monitor it closely and keep a bowl of cold water nearby that you can drop the mixing cup into if it becomes unsafe. This little experiment

should take only about 5 minutes. Best practice when disposing of leftover epoxy is to spread it in a thin layer on a sheet of newspaper or scrap piece of plywood and leave it on a non-flammable surface (preferably outside or in a well-ventilated area) until it cures. Afterward, the waste can be safely put in the garbage.

As promised, [Hock Tools Spokeshave Kit instructions](#). Also, feel free to check out [Hock Tools' website for helpful videos](#). Scroll down for the one on building a spokeshave.

If you have a question for Isaac, [please e-mail it to me](#) and I'll make sure Isaac gets it. He will answer you as soon as he can. If we have not covered the subject, I'll work to help others by including the question and answer in a Q&A edition. If you have a metal related question, just [e-mail Ron](#) and he'll get back to you as soon as he can.



By the way: I didn't get a good shot of Isaac for this piece but here's one I like.

—Linda at Hock Tools

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