



Epoxy & Glue Bottle Holder for 1/4" Pegboard - With 4 Mixing Trays



Simmer65

[VIEW IN BROWSER](#)

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Summary

Keeps two-part epoxy and something to mix it on in one spot on the pegboard. The resin and hardener bottles stand side b

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Tags: shelf bottle organizer wall holder printed two
mount part storage pla epoxy glue fit snap
workshop tray screw garage pegboard connector
resin pegboardmount adhesive mixing weld keyhole
jb 2k epoxymixing clearweld coreone devcon
mixingtray

Both bottles, and something to mix on

Two-part epoxy comes in two bottles, and every time you use it you also need something to mix it on. This rack keeps all of that in one spot on the pegboard. The resin and the hardener stand side by side, and a stack of four printed mixing trays slides into a slot underneath them.

The front is open, so you can read which bottle is Part A and which is Part B, and lift either one straight out. It hangs on two 3D printed screws in keyhole slots, so it stays put when you grab a bottle.

What it holds

- **Two bottles** up to 1.75" (44.5 mm) across. I've used it with:
 - J-B Weld ClearWeld quick-setting epoxy, 4 fl oz (118 mL) bottles
 - Devcon 2 Ton epoxy, 4.5 oz (128 g) bottles
- **Four mixing trays**, 3.75" × 1.75" (95 × 44.5 mm) ovals, stacked in the slot under the bottles. Each tray has a thin tab on its front edge that sticks out at the front of the rack, so you can pull out one tray at a time.

Each bottle sits in a 3/16" (5 mm) deep recess in the floor, so its base can't slide out the open front. The pockets are 1.8" (46 mm) deep.

It also stands on its own on a workbench if you don't want it on the wall.

Two pieces, snapped together

I modeled the rack in SolidWorks as a single part. Printed in one piece, the ceiling of the tray slot would be a 4" (103 mm) span that needs supports. So I cut it in PrusaSlicer right at that ceiling, using the Cut tool's **Snap** connectors. Now each half sits flat on the bed and neither one needs supports.

- **Bottom piece:** the floor and the walls of the tray slot. The four snap pins print standing up on top of the back wall.
- **Top piece:** the bottle holder. Its underside is the slot's ceiling and has the four holes the pins snap into.
- **Connector settings:** Snap type, 1/8" (3.175 mm) size, 1/4" (6.35 mm) depth, 0 radius tolerance and 0.1 mm depth tolerance.

The two halves snapped together on the first try.

How it hangs

It uses the same printed screw as my Magnetic Tool Holder Bar. The screws go into the board first and the heads stay out. The rack hangs on them.

- **Grips the hole:** the special 1/4"-20 thread is slightly oversize, so it bites into the edge of the pegboard hole and holds tight.
- **Self-centering:** a tapered tip drops into the hole and centers the screw as you start it.
- **Flat-blade drive:** the head has a slot for an ordinary flat-head screwdriver.

- **Locks the rack on:** the underside of the head is a cone. Two keyhole slots on the back of the rack have tapered lips that fit that cone, so the rack can't pull away from the board.

Pegboard compatibility

- Standard pegboard with 1/4" (6.35 mm) holes on 1" (25.4 mm) spacing
- The two screws go in neighboring holes in one row, 1" (25.4 mm) apart
- Tested on 3/16" (4.8 mm) thick pegboard
- Not for IKEA Skådis or other slotted boards

Dimensions

- Rack: 4.44" wide × 2.50" deep × 2.79" tall (112.7 × 63.5 × 70.8 mm)
- Bottle pockets: 2 × 1.75" (44.5 mm) across
- Tray slot: 4.04" wide × 0.57" tall (102.7 × 14.5 mm)
- Mixing tray: 3.75" × 1.75" × 1/8" (95 × 44.5 × 3 mm), 2.21" (56 mm) deep including the tab
- Sticks out from the board: 2.5" (63.5 mm)

The STEP files of the uncut rack and the tray are included if you want different pocket sizes for your bottles.

Print settings

Everything prints together on one plate: the two halves, four trays and two screws. On my Prusa CORE One it took 3 h 6 min and 100 g of PLA. My PrusaSlicer config file is included.

- Printer: Prusa CORE One, 0.4 mm HF nozzle
- Slicer profile: 0.25mm STRUCTURAL @COREONE HF0.4 (PrusaSlicer 2.9.6)
- Material: Generic PLA, 230 °C nozzle for the first layer and 225 °C after; 60 °C bed
- Layer height: 0.25 mm (0.2 mm first layer)
- Perimeters: 2
- Infill: 15% grid
- Top / bottom solid layers: 4 / 3
- Supports: none
- Brim: none
- Orientation: the top piece stands upright on its flat underside, the bottom piece lies on its floor with the snap pins pointing up, the trays lie flat, and the screws stand on their heads

You'll need

- A flat-head screwdriver to drive the printed screws

That's it. There's no glue, no magnets and no store-bought hardware.

Assembly and installing

1. Set the top piece on the bottom piece, lined up with the four snap pins, and press down until they snap in.
2. Pick two neighboring pegboard holes in one row.
3. Start a printed screw in each hole. The tapered tip centers it.
4. Turn each screw in with a flat-head screwdriver until the underside of the head touches the board. Stop there, because plastic threads strip if you overtighten them.
5. Line up the round middles of the two keyholes on the back of the rack with the screw heads. Push the rack flat against the board, then slide it down until it stops.
6. Slide the trays into the slot with their tabs at the front, and stand your bottles in the pockets.

To take the rack down, lift it up and pull it off the screws.

More pegboard holders with the same or similar screws

- [Magnetic Tool Holder Bar for 1/4" Pegboard – 13 Snap-In Magnets, No Glue](#)
- [Swing-Out Screwdriver Arm for 1/4" Pegboard – No Headroom Needed](#)
- [Screw-In Pegboard Holder for 1/4" Driver Set Case – Won't Fall Off](#)

Contest

Entered in the Printables Designer Challenge: Pegboard Wall Organizers.

If you print one, please post a Make and show which epoxy you keep in it.

Model files



pegboardepoxysshelf2tray.step



pegboardepoxyshef2.step



pegboardepoxyshef2.3mf



pegboardepoxyshef2.sldprt

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