

# Querque Bin For Cold Composting in the Desert Providing Easy Access to the Finished Compost

Design by Hannah Stroud

## Materials:

3 2x4x31 (I bought 8 ft and cut in 3)

3 2x3x31 (I bought 8 ft and cut in 3)

4 4x4x48 (I bought 2 8 footers and cut in half)

Plywood (cut to size with jig saw) (I bought 2 sheets and this was enough)

I ended up with sections that were 27.5x33" (back), 21x31" (bottom), and 2 that were 29x31" (sides), but you may want to build the 4x4 frame and measure.

1 bin (I used 27 gal or 20x30x13)

3.5 in wood screws

3 in wood screw

Drawer pull

4 2x1x29 (doesn't have to be 2x1, 1x1 is fine for the guides)

In desert: 4-6 large waterproof bags and staple gun



1. Measure desired bin hang height from ground. I used 15", which leaves about 3" between the bin and the ground since I wanted it to hang. Mark along 4x4s



2. Align 2 4x4s parallel with outer edges 31" apart. Place 1 2x4 with top edge at bin height marking. Square and screw down. Repeat with remaining 2 4x4s and 1 more 2x4.



3. Now is a good time to check your lateral measurement against your bin. Mine ended up being too long, so I just repositioned my last 2x4 which will be the lateral cross bar at the back.



[OBJ]

Position the rear crossbar to rest under the rear lip of the black bin. Screw in to 4x4s. You should now have a base that the bin can comfortably rest on, sliding in through the open front.



001

4. Square and level things, then screw in 2x3 to the base of the front side.



[OBJ]

5. Put the back of the compost section on by screwing the back plywood section to the 4x4s.

[OBJ]



OBJ:

6. Now mark where your bottom supports (for the plywood bottom) will go. Leave a small amount of space above your black bin. Level and drill down the 2x3s with the 4 in screws.

You should now be able to rest the bottom on the supports.



[OBJ]

7. My ply wood is measured such that the bottom fits under the sides. To place the sides, I'll leave the bottom in so I have enough room. Position the sides and screw into the 4x4s.



[OBJ]

The frame of your composter is done!

8. Add a handle to your bottom plywood to make pulling it out easier.



[OBJ]

9. If in a desert climate, waterproof the bottom and sides by stapling waterproof bags. I used dog food and top soil bags. I ended up needing 2 of each since I was strategic with my cuts.



OBJ

10. Make guides out of the 4 2x1s and screw in (I did 3 per guide). They should be about an inch apart— thick enough to slot ply wood through.



OBJ

It's optional to cut the front panel into multiple panels for easier access as the pile grows.