

Tools



- tape measure
- drill, with 10mm wood bit
- screwdriver
- handsaw
- circular saw
- wood glue
- pencil
- set square
- plane
- sash cramps
- hacksaw
- mitre block
- quick release clamps

Materials



This piece can be made to measure for your own space, so take the visual inspiration and general construction techniques as a starting point for your own creation. See separate DIY Project sheet for the sideboard drawers.

- 18mm and 6mm birch ply for the outer boxes
- 18mm laminated pine boards and 6mm birch ply for the inner part of the lower construction
- Aluminium rod
- 4 x castors

All sizes are nominal. Check with your local supplier for availability of nearest stock sizes. This information is for guidance only. If you are in any doubt, seek professional advice.



1 Making the panels.

The backbone to this project is the birch boxes, made from solid-looking hollow panels.

Decide on your dimensions, then cut the 6mm ply to form the top and bottom of your panel.

Cut strips of 18mm ply 60mm wide and glue them together to create 36mm pieces. Mitre the corners and glue to one piece of the 6mm ply to make a frame all the way around. Glue the other piece to the frame and you have your first panel.



2 Making the boxes.

When you've made all the panels you need for your bespoke room divider or sideboard, you can fix them together to make the birch boxes.

Glue and screw the panels together through the top panel into the side panel.

If you are stacking the boxes, the screw holes can be filled with a protruding piece of aluminium rod, which will act as a locating pin and join the boxes together. You could also cut the aluminium flush to create a feature rather than trying to hide the holes.



3 Making the inside.

Once you've made the outer box and have a size to work to, you can begin the inner construction of the sideboard by cutting the top, the bottom, the sides and the dividers from 18mm pine board.

After all the pieces are cut to size, assemble them in the birch box to make sure the fit is good.

Glue and screw the sides and uprights between the top and the bottom. This way the screws will be hidden from view.



4 A finishing touch.

Now, since this piece can be moved around, I have added some lockable castors for maximum mobility. You never know, downhill sideboard racing could well be in the next Olympics.