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the tools
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future.

Project: Shop Steps

Overview: These are heavy duty steps that work great around the home and in the shop. They can be used individually as steps, or a plank can be placed between them and they can be used as a catwalk.

Materials: 3/4" plywood. These steps can be furniture grade or just by regular flooring plywood if you do not care about appearance.

Minimum Cutting Area: 4' x 8' (cuts three of these)

Bit Size: 1/4"

Finishing: they can be left bare if they will stay inside, or put some polyurethane on them if you plan on standing on them with wet boots.



Always read the entire project details before starting to cut the file yourself

Account for the thickness of the physical material on hand and the material thickness in the file

This file is zeroed to the tables surface, Zero your bit to the tables surface



Once the file is complete check to make sure the profile pass went all the way through the work piece and you can see the table surface underneath. Make sure the project is held down in place with your choice of hold down before running the file.



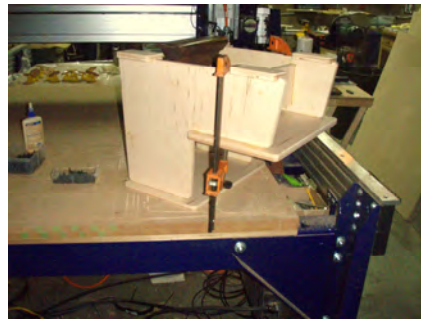
Once the file is complete, flip the work piece over and cut the tabs with a utility knife. If you try to push them out by hand it could lead to tearing out on the wood and take away from the projects appearance.



Dry fit the parts to make sure they all fit together. Also take a sander to all the pieces and knock down any sharp edges.



Use a good amount of glue in each pocket. Take a small brush or your finger and cover all of the surfaces in this joint. It is better to have a little extra glue that squeezes out then not enough and the basket falls apart. Squeezed out glue can be easily wiped off.



Whatever type of clamps or weights you have, put pressure on the joints and let them sit overnight before trying to use the steps.



While the glue is drying it is a good time to install the feet. Besides glue, it is recommended to use two 1 5/8" wood screws with each foot. This adds extra strength to this joint.



You do not want to make the steps slippery, but adding a few coats of polyurethane will help prolong the life of these steps.



If these steps are to be used where they can have wet boots walking on them make sure a good exterior polyurethane is used.



The steps stack and store on top of each other. Check your steps periodically to make sure all the joints are still holding strong together.



Shop Steps PartWorks
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