

RYOBI.



**TOOLS YOU'LL
WANT TO USE**

A CUT ABOVE

RYOBI.COM.AU

Available at
BUNNINGS
warehouse



PICTURE FRAME: PROJECT LEVEL SILVER

Even the most dysfunctional family can come together nicely on a wall – yep, nothing brings the family together like a series of family portraits. And don't worry if your family rapidly expands – you can just add more frames. Follow the basic construction procedures shown here for one frame and the rest is up to you. It's the perfect project for those who forget about Valentines Day.

TOOLS YOU'LL NEED



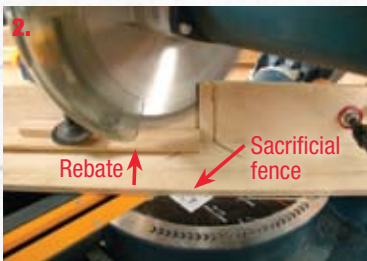
PICTURE FRAME

PROJECT LEVEL SILVER



1. Reducing the rebate

The excessive width of the rebate on the standard profile may have the potential to cover a critical portion of the photo. To reduce the rebate width glue and nail a filler bead in place using 25 x 1.5mm nails every 200mm or so.



2. Mitre one

Set your mitre saw to 45 degrees and securely clamp the picture frame profile against the fence with the rebate facing you. **Ryobi's tip:** Make a sacrificial fence by gluing and pinning two pieces of scrap plywood. This is then held in place with a clamp.



3. Mitre two

Measure and mark the overall length of the frame on the back edge. Rotate the saw to 45 degrees to the opposite side, line up the saw cut in the fence with the length mark on the frame and slowly make the cut.



4. Glue up

Lay out the pieces of the frame on some newspaper, then sand the face and internal edge before assembly by hand with 180-grit abrasive paper. The outer edge of the frame can be left until after glue-up as this edge is easily accessible. Apply wood glue to the entire surface of both pieces.



5. Clamping

Use a band clamp or framing clamp to secure. Measure the diagonals to ensure the frame is square. Clean off any glue squeezed out with a damp sponge. Do not flood the joint with water as this may produce an irremovable water stain in the oak.

MATERIAL LIST

MATERIAL	SIZE (MM)	NO.	UNIT COST	TOTAL COST
Tasmanian oak profile PFP3119	2400 x 31 x 19	2	20.95	49.90
Tasmanian oak	2400 x 9 x 9	2	5.51	11.02
6mm MDF	900 x 600	1	5.98	5.98
3mm glass				
Framing stay	pkt 4	5	2.60	13.00
Corner Brace	38mm (pkt 4)	2	4.60	9.20
Wood screws	12mm x 4g	2	4.60	9.20
Total				98.05

CUTTING LIST

FRAME SIZE	PROFILE LENGTH	3MM GLASS	6MM MDF
6 x 4 (2)	4 x 200 mm	2 x 155 x 105	2 x 155 x 105
	4 x 150 mm		
5 x 7	2 x 225 mm	1 x 130 x 180	1 x 130 x 180
	2 x 175 mm		
8 x 6	2 x 250 mm	1 x 205 x 155	1 x 205 x 155
	2 x 200 mm		
10 x 8	2 x 300 mm	1 x 255 x 205	1 x 255 x 205
	2 x 250 mm		

TOOL LIST

Cordless drill driver
Mitre saw
Tape measure
Combination square
Framing clamp/string and blocks
Random orbit sander

Wood glue
PPE (personal protective equipment)

PICTURE FRAME



6. Added strength

After the glue has set, an optional step for a bit of added strength is to reinforce the mitre joint with 'V' nails. These nails are simply held vertically with a magnetic tipped handle or pointed nose pliers and driven across the joint with a rubber mallet or dead blow hammer.



7. Your design flair

Let your creative juices run free and orientate the frames as you desire. Once you have settled on a design, mark their positions on the edge of the adjoining frame.



8. Make the connection

Turn the frames face down and align the markings from the previous step. Connect the frames with a metal corner bracket at each junction. **Caution:** The screws supplied with the braces are slightly long for this application. 12mm x 6g are better suited.

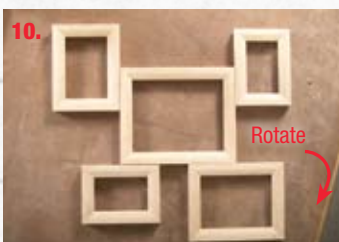
Alternate clamping method

Ryobi's tip: If you don't have a framing clamp in your shed, don't worry a very cool tip for you. Dry assemble the frame and firmly tie a piece of string around the frame (A). Apply glue to the joint as in step 4, then slide some scrap 18 x 18 blocks towards the corners (B). These blocks apply pressure to the glued joint. Leave in place until the glue has set.



9. Backing board

Centrally position one framing stay on each side of the frame, 5mm in from the inside (rebate) edge. **Ryobi's tip:** Drill a small pilot hole to a sufficient depth. The screws are soft and can snap easily. How do I know? Well, I snapped one!



10. Alternatives

There are two alternative orientations of the frames. The choice is yours. Come up with your own or add some more. Complete the sanding and apply a stain of your choice then 3 coats of lacquer or for a more natural look, lacquer only.