

DIY

VERTICAL GLASSHOUSE

Create this fabulous upright glasshouse from recycled wooden windows to provide winter protection for your potted beauties.

WORDS & PHOTOS MARK RAYNER

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You will need

- 19mm stainless-steel nails
- 20mm galvanised clouts
- 25mm x 25mm timber (approx. 4.7m)
- 38mm x 10mm trellis batten (approx. 13.8m)
- 40mm exterior screws
- 50mm x 50mm treated timber (approx. 8.4m)
- 75mm exterior screws
 - Brass barrel bolt
 - Clean cloth
 - Drill
- Exterior wood glue
 - Hammer
 - Paint scraper
 - Paintbrushes
 - Pencil
- Piece of clear plastic or Perspex measuring 650mm x 760mm
- Resene Lustacryl tinted to Resene Saltpan
 - Resene Quick Dry
 - Resene Timber and Furniture Gel tinted to Resene Jarrah Tree
 - Sandpaper
 - Saw
 - Screwdrivers
 - Set square
- 3 x stainless-steel hinges
 - Tape measure
 - Tongue and groove landscaping timber (approx 5.4m)
 - Wooden window measuring 1790mm x 715mm
 - Wooden windows measuring 1700mm x 610mm (x 2)



STEP ONE

Scrape off any loose or flaking paint from the window frames and then sand smooth. Wipe off any sanding residue with a clean cloth.

STEP TWO

Measure and mark four pieces of landscaping timber at 720mm and four pieces at 610mm. Measure and mark four pieces of 50mm x 50mm timber at 2100mm.

STEP THREE

Cut the timber to size and smooth any rough edges with sandpaper.

STEP FOUR

Attach the four lengths of 50mm x 50mm timber and the four 610mm lengths of landscaping timber to the two side windows, as shown. Fix with 75mm screws, drilling pilot holes first.

STEP FIVE

Stand one of the side panels upright on a level surface and attach one of the 720mm lengths of landscaping timber along the back, as shown, using a set square to ensure it's at 90 degrees.

STEP SIX

In the same way, fix the other side panel into position and attach a second 720mm length of landscaping timber along the front, as shown (ensure that it's positioned approximately 50mm back to accommodate the thickness of the door).

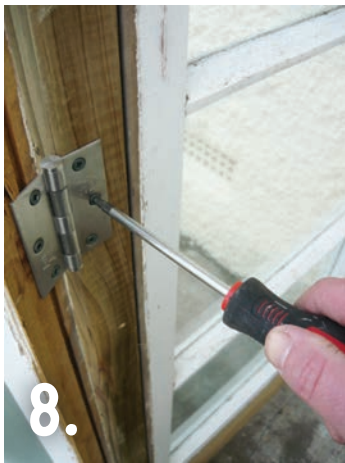
STEP SEVEN

In the same way, fix the two remaining 720mm lengths of landscaping timber into position at the top, as shown.



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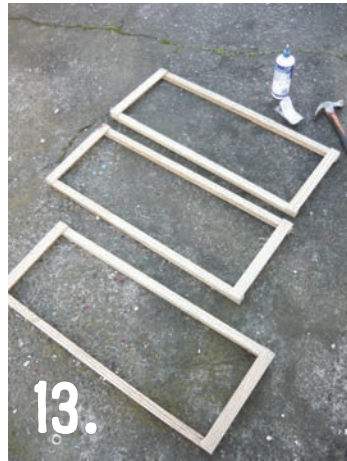
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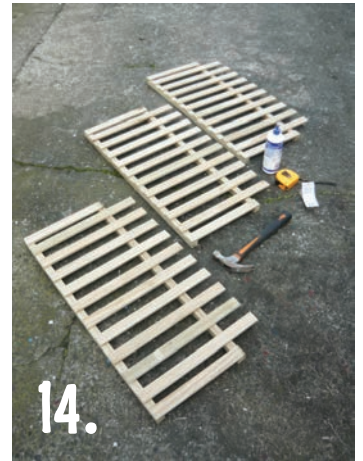
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17.

STEP EIGHT

Fix the door into position using the three hinges and 40mm screws.

STEP NINE

Apply one coat of Resene Quick Dry to any areas of bare wood and allow to dry.

STEP TEN

Apply two coats of Resene Lustacryl tinted to Resene Saltpan to the glasshouse, allowing two hours for each coat to dry

STEP ELEVEN

Drill 3mm holes around the edge of the piece of clear plastic and fix to the glasshouse roof with 20mm galvanised clouts.

STEP TWELVE

Measure, mark and cut the trellis batten into six 300mm lengths and thirty 400mm lengths. Measure, mark and cut the 25mm x 25mm timber into six 770mm lengths. Smooth rough edges with sandpaper.

STEP THIRTEEN

Attach the six 30mm lengths of batten to the six 770mm lengths of timber to form three rectangles, as shown. Fix together with exterior wood glue and 19mm nails.

STEP FOURTEEN

Attach the remaining lengths of batten to the rectangular frames, as shown. Again, fix with 9mm nails and exterior wood glue. Allow glue to dry.

STEP FIFTEEN

Apply one coat of Resene Timber and Furniture Gel to the glasshouse shelves and allow to dry.

STEP SIXTEEN

Place the glasshouse shelves into position, resting on the glazing bars of the side windows, as shown.

STEP SEVENTEEN

Fix the door bolt into position, using screws provided. Again, drill pilot holes first.