



DIY

# VERTICAL GLASSHOUSE

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

WORDS & PHOTOS MARK RAYNER

BROUGHT TO YOU BY



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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).

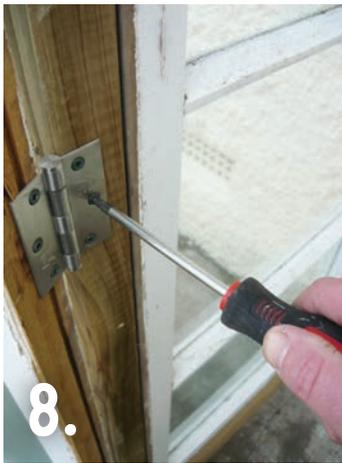
### STEP SEVEN

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



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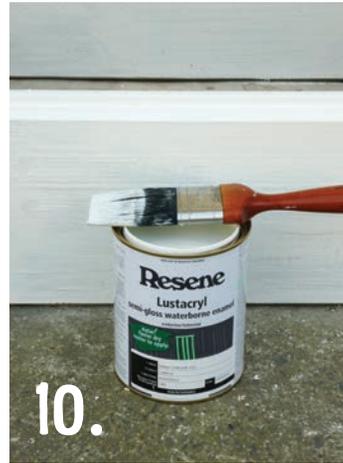
For more on paints and stains phone 0800 RESENE (0800 737 363) or visit your Resene ColorShop or [www.resene.co.nz](http://www.resene.co.nz)



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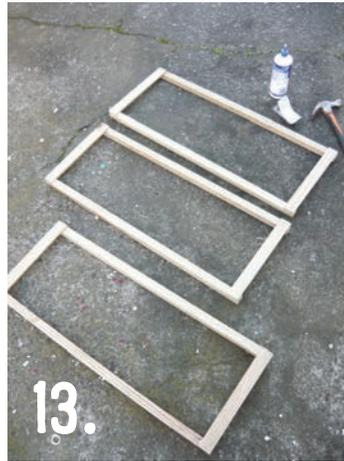
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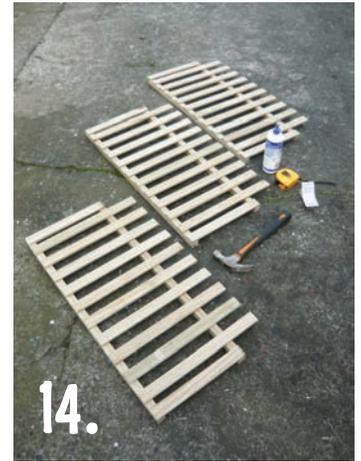
11.



12.



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16.



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.