

Tools



- drill
- plane
- hammer
- set square
- handsaw
- screwdriver

Materials



- 100mm pressure treated half posts
- 25mm x 50mm treated roof battens
- 25mm x 150mm pressure treated pine or spruce ridgeboard
- wood glue
- 75mm/100mm stainless steel screws

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 Forming the frames. Cut two half posts to the height and two to the width required. Glue & screw one of the horizontals to the top of each vertical post and another approx 100mm/150mm up from the bottom, forming the first rectangular frame.



2 The trellis work. Cut two lengths of roof battens to the length of the vertical half posts and screw on edge to the centre of the flat surface of each half post, as shown. Cut battens to go between the posts, forming diamond shapes. Glue & screw to the batten on edge, alternating from one side to the other.
Repeat steps 1) and 2) to make the other side of the frame.



3 Forming the arch. Cut a piece of 22mm x 150mm timber to the length of the horizontal half posts that have been fixed to the tops of the rectangular panels (the wallplate) to make a ridgeboard. Cut 4 short pieces of half posts with a 30-45 degree angle (depending on what pitch you want the roof to be). Glue & screw battens, on edge as before, to the half posts forming the roof. Screw the ends of the half posts to the ridgeboard.



4 Topping off the arch. Create the diamond shaped trellis patterns using battens as before. Finally, glue & screw the roof to the side panels to complete the rose arch. To add a little more decoration make a small fascia to fit under the ridgeboard. This can be shaped as desired and made from a piece of 22mm x 150mm spruce. Glue & screw to the front batten of the roof construction.