RUTLAND COUNTY
GARDEN FURNITURE
Hand-Crafted

Assembly Instructions

Polycarbonate Car Port – 2 Post

Before you commence the assembly process, we recommend that you read these instructions thoroughly beforehand to familiarise yourself with the assembly process and to also check that you have the correct components. If for any reason you need assistance, you can find our contact details on the final page of these instructions.

We strongly recommend that any assembly is carried out on an open flat, level surface if possible and with sufficient space. You will also require the assistance of at least 2 adults to complete assembly safely.

Tools required:	10mm socket, No2 Pozidriv screwdriver (or electric driver), drill, sealant gun, tape measure, hacksaw or angle grinder, step ladder or platform.

Polycarbonate Car Port – 2 Post

Product Specification Table

Please use the table below in conjunction with the Components list on page 3 to check you have the correct parts before commencing assembly of your carport.

	2 x 2.9M	2 x 3.6M	2 x 4.3M	2.5 x 2.9M	2.5 x 3.6M	2.5 x 4.3M	3 x 2.9M	3 x 3.6M	3 x 4.3M	3.5 x 2.9M	3.5 x 3.6M	3.5 x 4.3M	4.5 x 2.9M	4.5 x 3.6M	4.5 x 4.3M
40mm Screw	8	8	8	10	10	10	12	12	12	12	12	12	16	16	16
60mm Screw	58	64	70	61	68	75	64	72	80	64	72	80	70	80	90
50mm Coachscrew	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
70mm Coachscrew	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
120mm Coachscrew	10	12	14	10	12	14	10	12	14	10	12	14	10	12	14
60mm Roofing Screw	8	8	8	10	10	10	12	12	12	12	12	12	16	16	16
Roof panel	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
Glazing bar	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5
Glazing bar capping	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5
Glazing bar end cap	3	4	5	3	4	5	3	4	5	3	4	5	3	4	5
Panel closure strip	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
Posts	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Wall plate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Runner	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rafter	5	6	7	5	6	7	5	6	7	5	6	7	5	6	7
Brace	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
End brace	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
End panel	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Fascia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cladding	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

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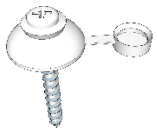
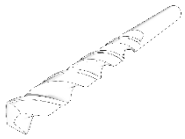
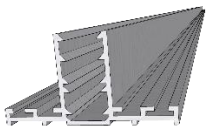
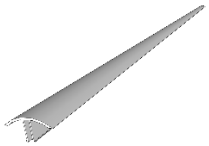
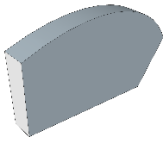
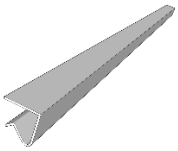
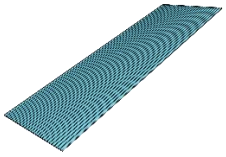
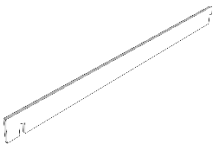
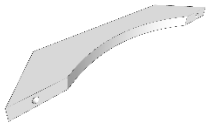
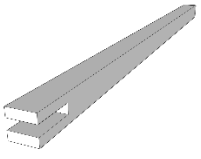
Component list

The Product Specification table on page 2 will contain quantities for the components shown below.

40mm woodscrews	60mm woodscrews	50mm coachscrews	70mm coachscrews	120mm coachscrews
				

60mm Roofing screws	5mm Drill bit (x1)	Glazing bar	Glazing bar capping	Glazing bar end cap
				

Panel closure strip	Roof panel	Silicone	Wall plate/Runner	Rafter
				

Brace	End brace	End cover	Fascia	Posts
				

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Polycarbonate Car Port – 2 Post

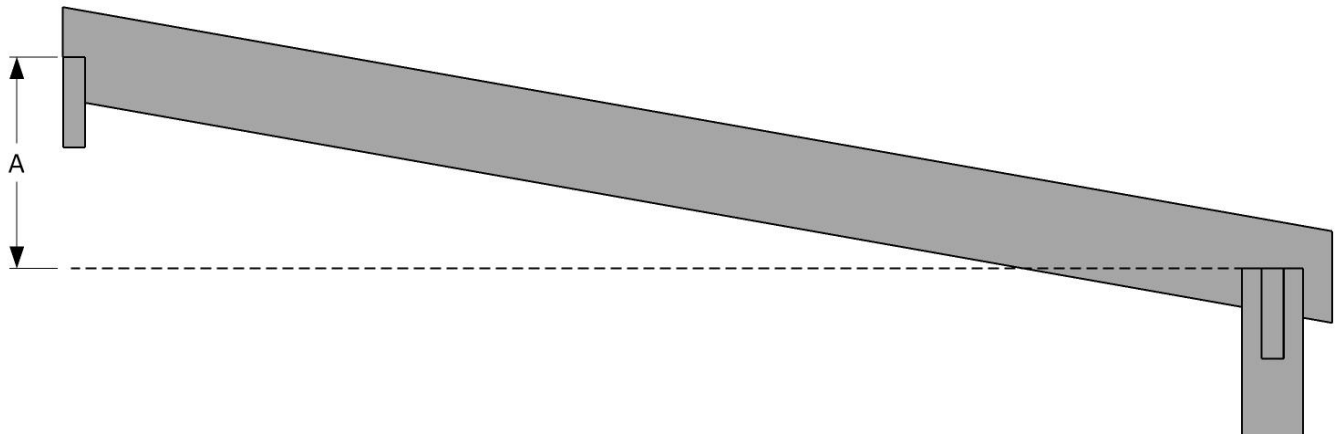
Panel and glazing bar preparation

Before commencing assembly, the outer panel edges and glazing bars will need to be pre-drilled as per the following instructions using the spacings indicated in the table below.

Panel length table

	Panel length					
	2M	2.5M	3M	3.5M	4M	4.5M
Holes per panel/bar	4	5	6	6	7	8
Hole spacing	600	575	560	660	633	614
Wall plate height - top edge*	2556	2643	2730	2817	2873	2990
Post distance from wall	1764	2256	2748	3240	3733	4225
Top of post to Top of wall plate	310	397	484	571	658	755

* The "Wall plate height – top edge" is a recommendation based upon a default post height of 2240mm. If either the wall plate height or post height is to be adjusted, please use the "Top of post to Top of wall plate", dimension A in the figure below, to calculate the new Wall plate and post heights.



Polycarbonate Car Port – 2 Post

Glazing bars

Measure the length of your roof sheets and trim your glazing bars to match this length using a hacksaw or angle grinder. Measure 100mm from either end of the glazing bar (fig.1) and using the 5mm drill bit supplied, drill the first hole by using the central groove in the base of the glazing bar as a guide and drilling through as shown (fig. 2). Using the Panel length table, now measure along the glazing bar the appropriate length from the centre point of the first hole and continue to add the remaining holes in the glazing bar in this manner. The final hole should be approximately 100mm from the opposing end of the glazing bar. Take the supplied rubber gasket and tear it half lengthways to create the 2 mouldings required for the glazing bars and slide them into the slots on either side of the glazing bar, pulling them down its entire length (fig3).

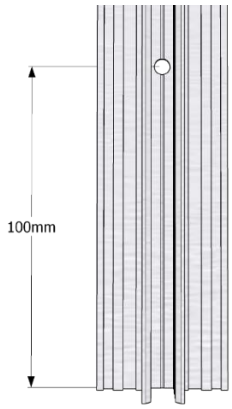


fig.1

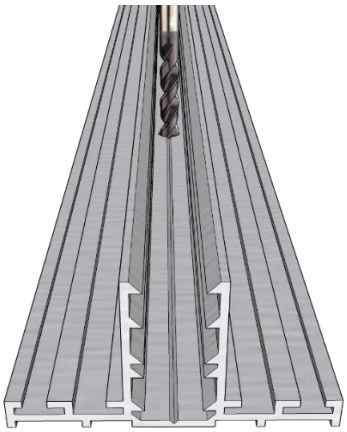


fig 2.

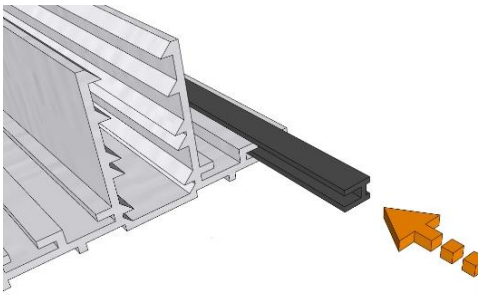


fig 3.

Polycarbonate Car Port – 2 Post

Polycarbonate panels

Two of the roof panels will be fitted as a “mirror” pair with holes down one edge to allow them to be fixed to the outer rafters. Lay out 2 panels with the UV coated side uppermost and the aluminium tape on both panels at the same end (fig. 1). Start by placing a piece of scrap timber under the area to be drilled. Now drill the first hole 100mm from either end of one the panels and 17mm from the edge (fig.2) using the 5mm drill bit supplied. Using the Panel length table (page 4), now measure along the panel the appropriate length from the centre point of the first hole, move the scrap timber into position and continue to add the remaining holes, 17mm from the edge of the panel as before. The final hole should be approximately 100mm from the opposing end of the panel. Repeat the drilling process for the second panel, this time drilling the opposing edge as shown (fig 1). We recommend any protective film is not removed until you are ready to install the panel.

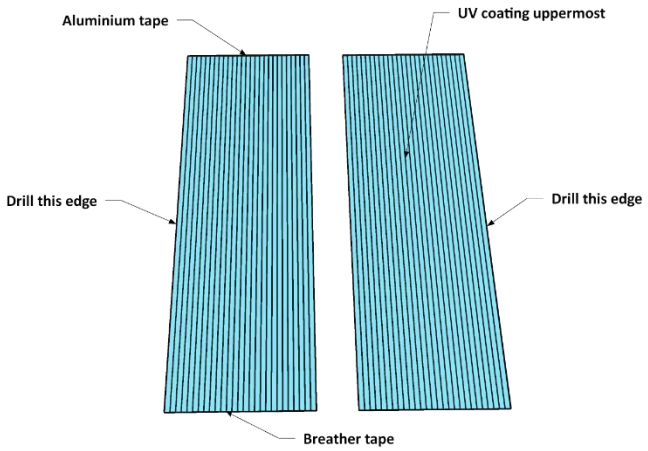


fig.1

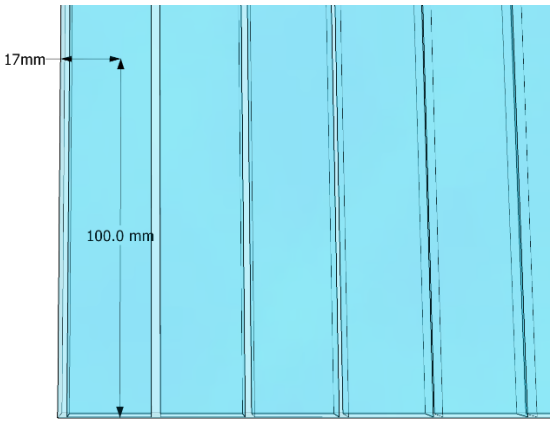
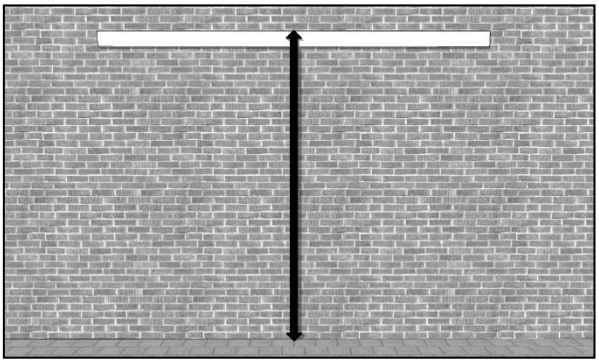


fig.2

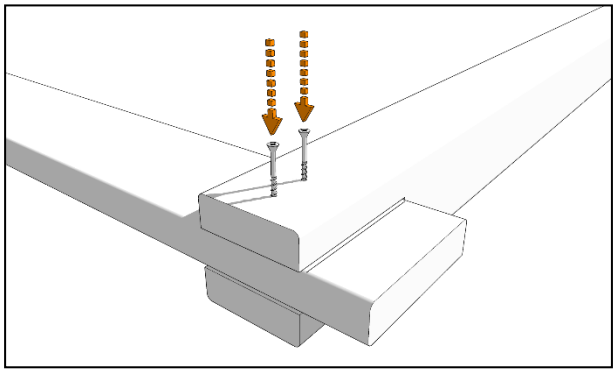
Polycarbonate Car Port – 2 Post

Step 1



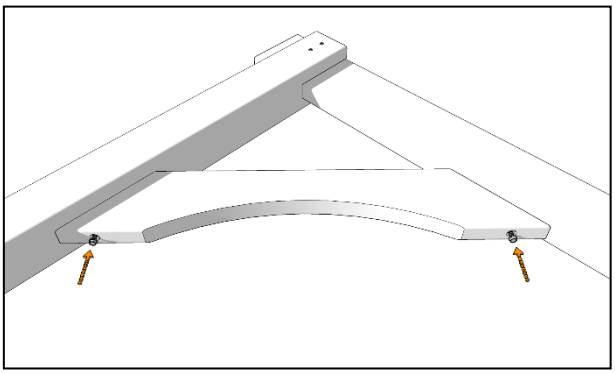
Begin by taking the wall plate and placing it horizontally (use a spirit level or laser) on the wall where you would like the car port located. Check the Panel length table (page 4) to establish the distance from TOP of the wall plates to the floor. Mark the hole positions for your wall fixings then drill and fix them into place.

Step 2



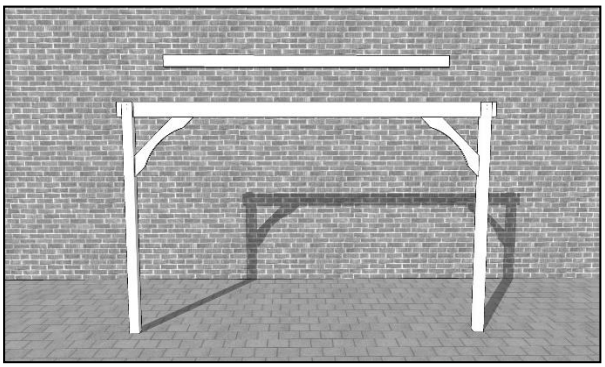
Place one of the posts on a flat surface as shown and then insert one of the runners into the post slot, using the markings on the runner as a guide. Fix into place with 2 x 60mm woodscrews.

Step 3



Align the brace with the underside of the runner and centrally across the inside face of the post as shown. The mating faces should be flat against each other before fixing the brace into place with a 70mm coachscrew at each end. Repeat steps 2 and 3 and attach the remaining post and brace to the other end of the runner to form a “goal post” structure.

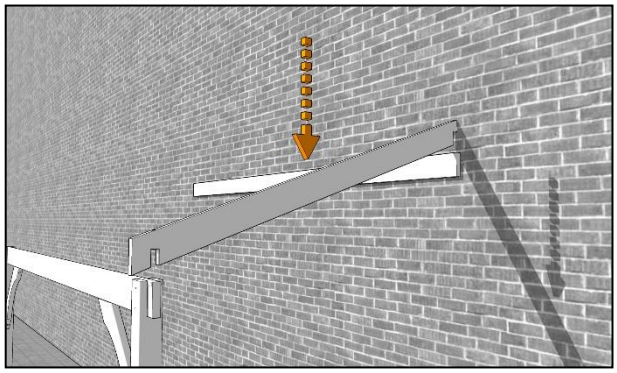
Step 4



Using your assistants, manoeuvre the previously assembled “goalpost” into place. Position it adjacent to the wall plate and consult the Panel length table (page 4) to correctly distance the post from the wall.

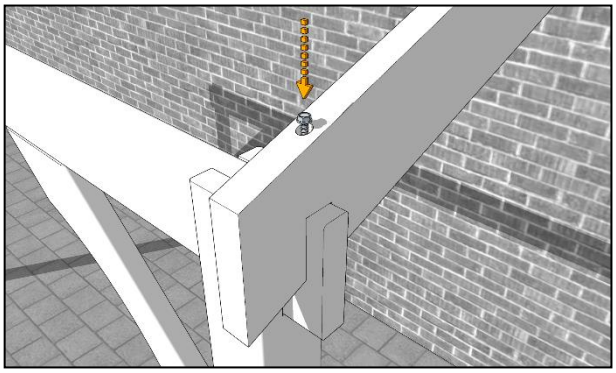
Polycarbonate Car Port – 2 Post

Step 5



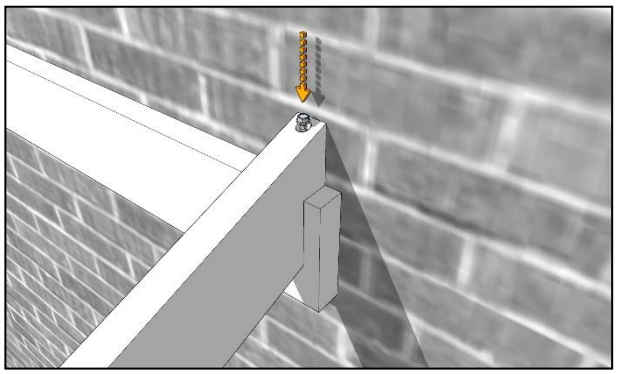
Now drop one of the rafters into place…

Step 6



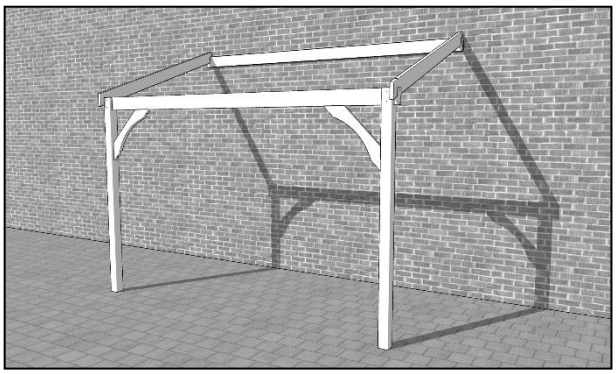
…butting it up against the outer face of the post before securing in place with a 120mm coachscrew driven down into the runner.

Step 7



Adjust the positioning of the “goalpost” if necessary, so that the notch in the underside of the wall end of the outer rafter sits snugly on the top of the wall plate and lines up with the markings indicating its correct position. Fix in place with a 120mm coachscrew driven down into the wall plate.

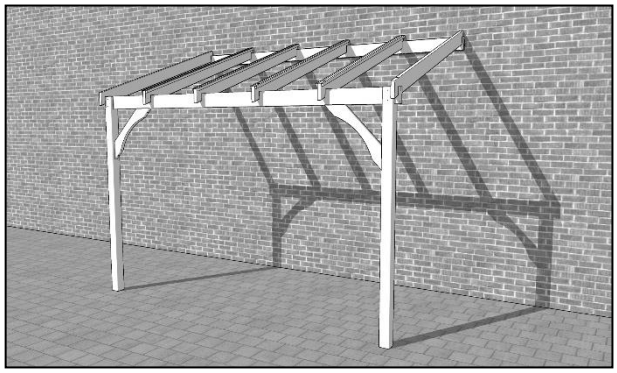
Step 8



Add the second rafter to the other end of the structure, adjusting the position of the “goalpost” as necessary before fixing into place as before.

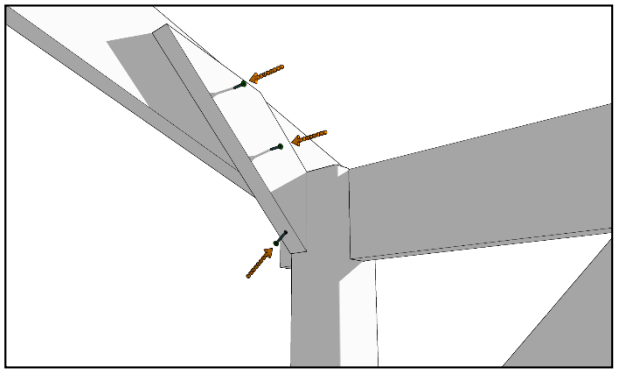
Polycarbonate Car Port – 2 Post

Step 9



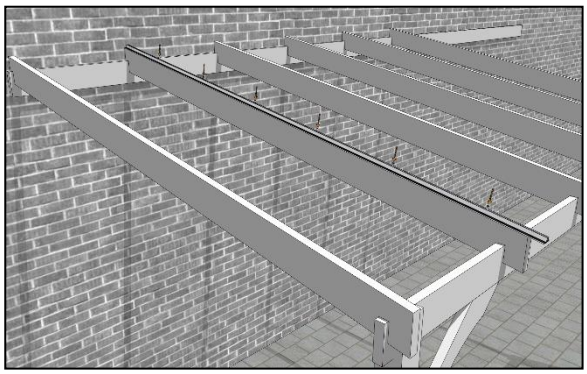
Now add the intermediate rafters in the same way using the markings on the runner and wall plate to correctly align each one before fixing each end into place with a 120mm coachscrew.

Step 10



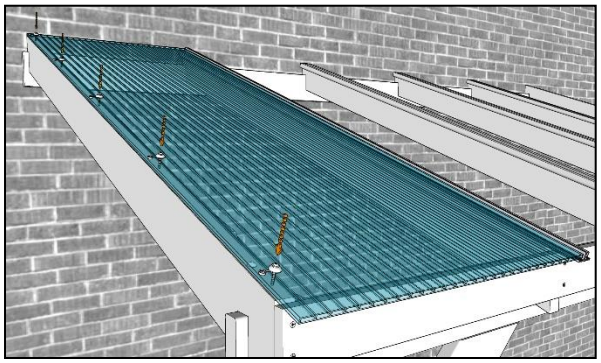
Place the end brace against the inner face of the outer runner so that the lower face is butted against the inner face of the post and the top edge is approximately 10mm from the top edge of the rafter. Fix in place with 2 x 50mm coach-screws into the rafter and 1 x 70mm coach-screw into the post as shown.

Step 11



Starting from one end of the car port attach the previously drilled glazing bar so that it is centred on the first inner rafter and butted up to the wall as shown. Fix in place with 60mm screws.

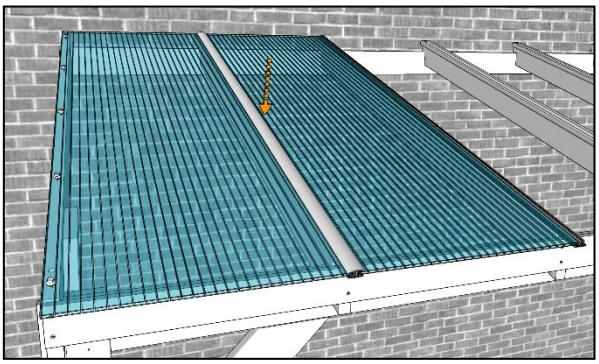
Step 12



Position one of the drilled polycarbonate panels so that it sits on the glazing bar, aluminium tape at the wall, UV coated side up and the drilled edge flush with the outer rafter. Ensure the inner edge is parallel with glazing bar and adjust the “goalpost” laterally if necessary, before fixing the panel in place with 60mm roofing screws and then closing the cover caps.

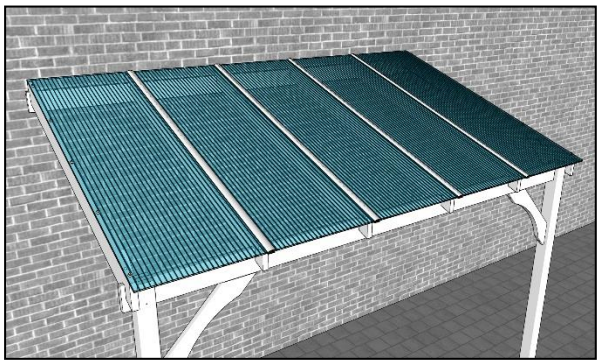
Polycarbonate Car Port – 2 Post

Step 13



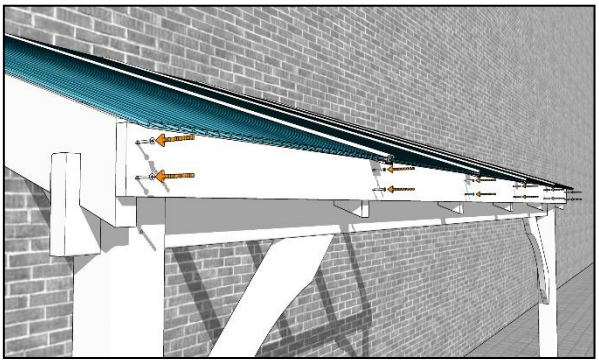
Add the next glazing bar as before, centred on the rafter and butted against the wall. Add an undrilled panel, aluminium tape at the wall and UV coated side up, adjacent to the last panel and use an assistant to support the lower panel edge whilst the glazing bar capping is snapped into place on the first glazing bar as shown.

Step 14



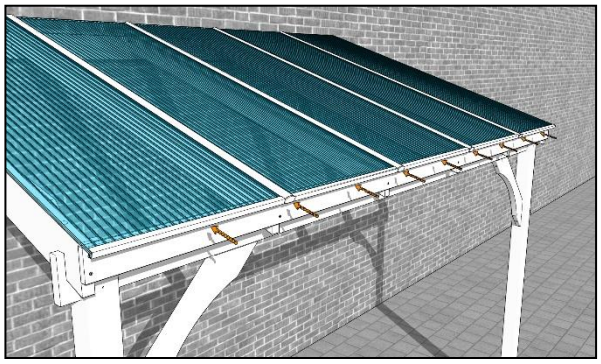
Continue adding further panels as you did in Step 13 and finish off with the other drilled panel, fixed in place with roofing screws as you did with the first panel in Step 12.

Step 15



Position the fascia so that its ends are flush with outer rafters and its top edge is just touching the underside of the glazing bars. Fix into place with a pair of 60mm screws into the rafter ends.

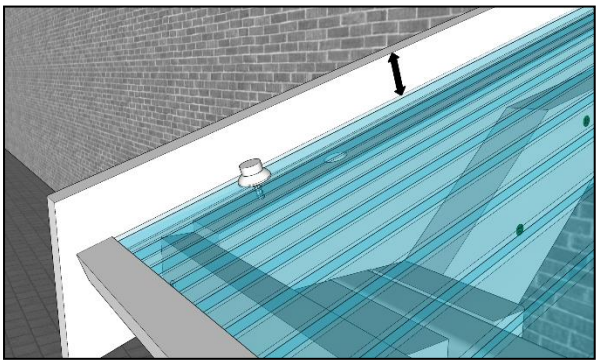
Step 16



Measure across each panel before cutting a piece the same length from the supplied panel closure strip. Apply a bead of silicone to the lower panel edge and then slot a panel closure strip onto the end of each panel and a glazing bar cap onto the end of each bar.

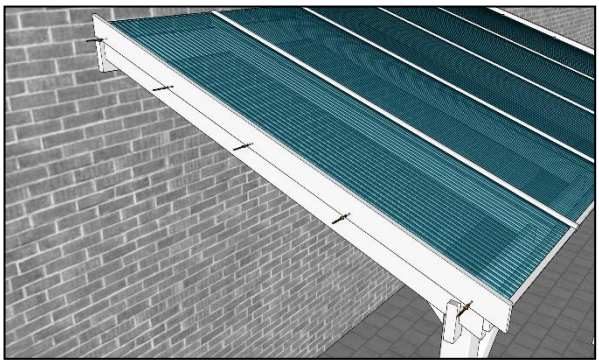
Polycarbonate Car Port – 2 Post

Step 17



Position the end cover so that its rear edge is butted against the wall and the top edge is 30mm above the roof panel…

Step 18

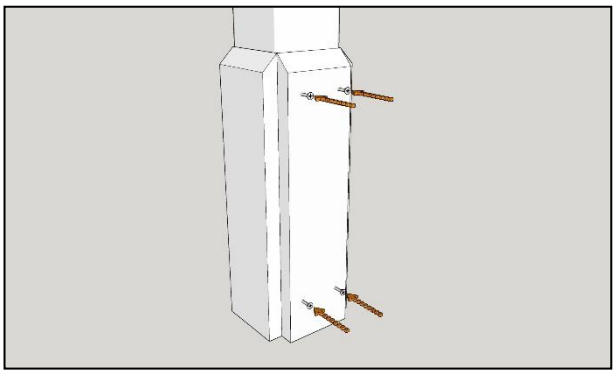


...and fix into place with 40mm screws spaced as per the Panel length table (page 4).

Step 21

Your car port is now complete.

Step 22



To attach cladding panels simply align as shown at the base of the post before screwing into place using 4 x 60mm woodscrews through the pre-drilled holes per panel. Repeat for each face of the post.

We hope that you found your product quick and easy to assemble but if not and you require any further assistance or have any questions you can contact us by telephone on: **01778 440803**
Email: info@rutlandcountygardenfurniture.co.uk www.rutlandcountygardenfurniture.co.uk