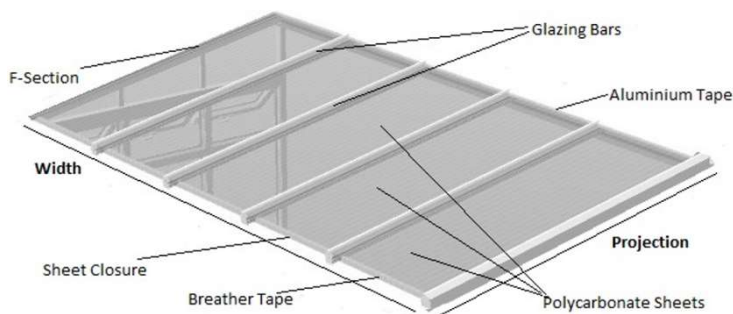


The DIY Roof Kit for Timber Frame

This DIY Roof kit comes complete with all you will need for simple and easy installation of a lean-to or free-standing roof on a timber structure. Glazing Bars are supplied at specific lengths to be cut to your required size on site. For the experienced 'DIYer' this kit offers a quick solution and a high quality, attractive product once completed.



Please note that the projection quoted is the actual lengths of the glazing bars and panels. The actual horizontal projection achieved will vary depending on the pitch of the roof.

Each kit includes:

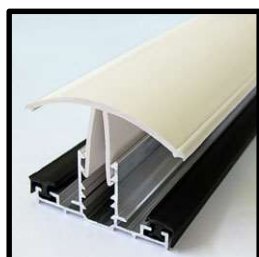
- The required quantity of polycarbonate panels.
- Snap Fix Rafter Supported Bars: Includes 1 PVC End Cap, an aluminium base with gaskets and Clip-In Top Cap. **The gasket must be torn lengthwise down the middle to create 2 lengths** – one for each side of the aluminium base.
- PVC F-Section - Ideal for use on the outside length edges of the roof. If your polycarbonate overhangs the timber structure, then you will not require these.
- PVC Sheet Closures - These are used to protect and finish the bottom end of the polycarbonate sheet and are fitted over the breather tape. It should be cut to fit between the glazing bar top caps.
 - If you have a free-standing unit, it is used on both widths of the sheets – top and bottom.
 - If you have a lean-to structure, it is used only on the bottom of the sheets.
- Fixing Buttons - Used to give additional strength to the structure and are screwed through the sheet into a purlin. The shank is 12mm in diameter, so a 15mm drill is required to provide for 3mm expansion.
- Aluminium and breather tapes - Aluminium tape is applied to the top edge of the sheets, and the breather is applied to the gutter end to prevent dirt, insects and dust entering the sheets.

Before you get started.

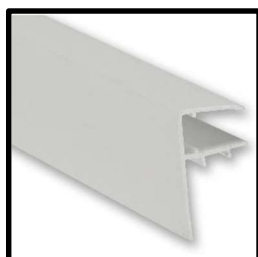
- Check to make sure that you have all the items and tools needed to start. Crawling boards are handy to have as you may need them to enable you to get above the roof structure to secure the fixing buttons.
- Ensure you know which sheet size goes where on the timber structure.

Suggested order of sheet installation.

- If one of the length sides is up against a wall, start with that sheet, and work your way back from that.
- If only the back is up against the wall, then start with the largest sheet, and work your way outwards from that. This would normally be the middle sheet.
- If all sheets are the same size, then start at one end and work across.



Snap Fix Rafter Bar



PVC F-Section



PVC Sheet Closure



Breather & Aluminium tape



Fixing Buttons

PVCu Capped rafter Supported Glazing Bar System and Accessories Fixing Instructions

1. Read these instructions thoroughly before cutting any parts.
2. We recommend a minimum pitch of 10 degrees, (a fall of 175mm in every 1m). Pitches of less than this should be avoided where possible as water run off may be reduced.
3. Fixing holes are to be drilled in the centre of each glazing bar between the upright toothed legs. The holes must suit a No.6 wood screw and should be around 75mm in from each end and at no greater than 450mm intervals along the bar.
4. Fix Aluminium Base to rafter using No.6 Roundhead Wood Screws. Ensure bars are parallel to each other and square to frame, or the polycarbonate sheets may not fit.
5. The Base Gaskets (joined in the centre) **needs to be pulled apart to provide 2 lengths**. Slide these gaskets into slots in base. See pic beside & above.
6. Measure and cut the polycarbonate sheet to length allowing an extension of approximately 50mm to overhang the gutter. When calculating the width of the sheet, allow 3mm either side for the thermal expansion.
7. Apply filter tape to the top and bottom of the polycarbonate sheeting to prevent ingress of dust and dirt. Lift protective film for approx. 50mm down each side. Place sheet in position on the glazing bar base.
8. Position the PVC cap so that the toothed legs locate inside the central recess in the aluminium base. Press the cap down and firmly tap into position until the teeth are engaged in the locking points appropriate to the thickness of the sheet being fitted. Ensure the outline of the capping is consistent and the sheet is firmly held in place.
9. If a PVC F-Section is to be used at the open edges, locate this in groove on one side of the aluminium base before pushing capping down.
10. When all sheets are in position, remove the protective films and fit the end covers by pushing the legs into the slots provided in the aluminium base.
11. PVC Sheet Closure: Cut them to length. Tap on the ends of the sheeting and butt up against the glazing bar covers.
12. Fixing Buttons: these should be used in exposed conditions or where large panels are used. Always fix a minimum of 1 button through the sheet onto the front eaves beam to help prevent the polycarbonate from slipping forward. Ensure the diameter of hole cut is large enough to allow the polycarbonate sheet to expand, without coming into contact with the screw. Do not over-tighten screw.

