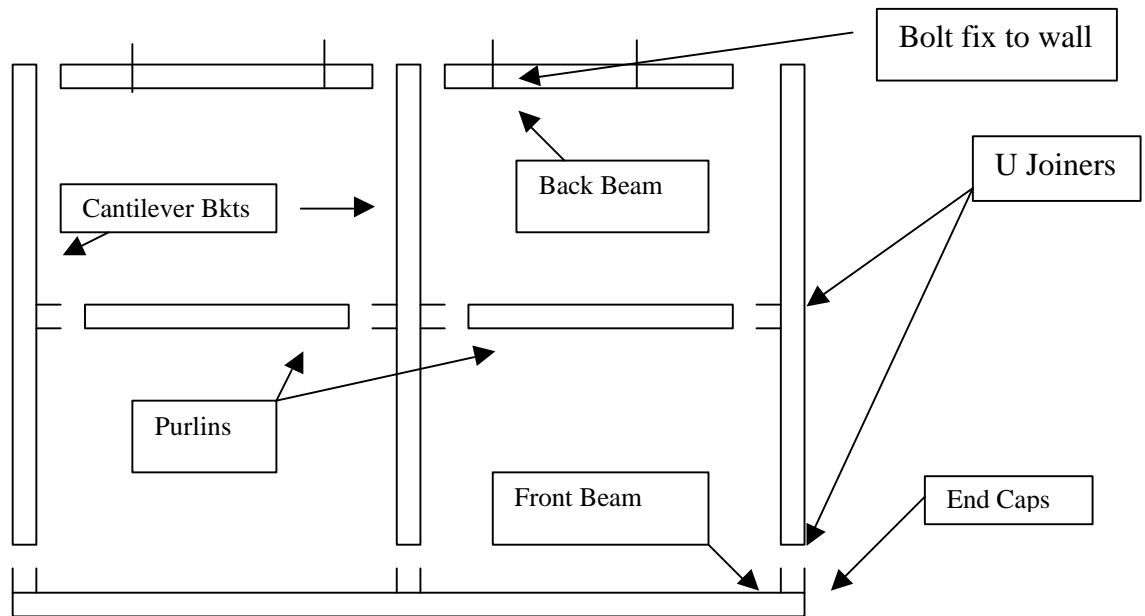
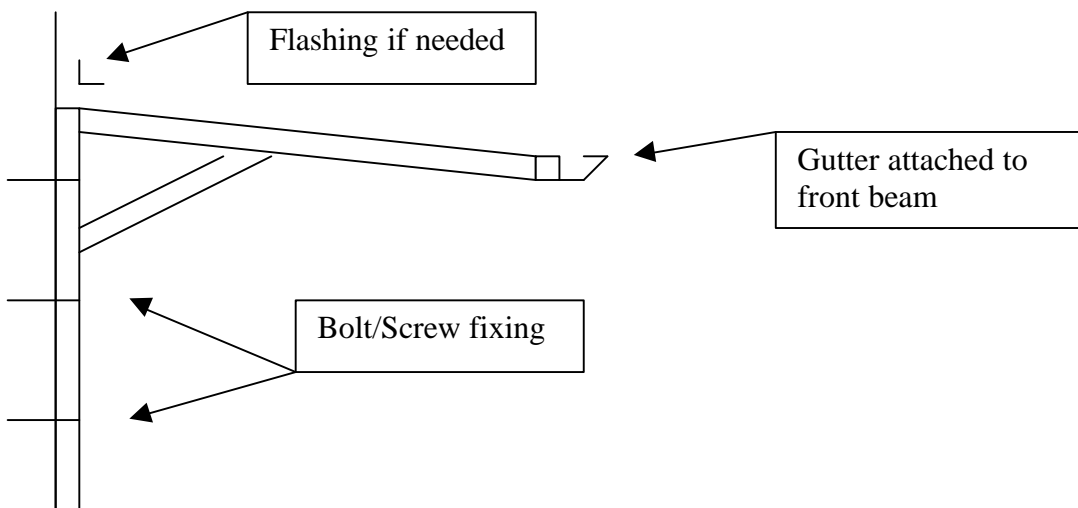


STEPS TO INSTALL CARBOLITE CANTILEVER FRAME.



- 1) Screw the u joiners onto the centre/middle of the **cantilever** bracket. Remember to line up each bracket when screwing these u joiners on. (2 x 20mm screws secures the joiner).
- 2) Mount the **cantilever** brackets to the wall with 3 (screw bolt/coach screw) fixings evenly spaced. Do not tighten the bracket bolts yet but simply have them loosely secured. You will need to manoeuvre/spread the cantilever brackets later to get the purlins in.
- 3) Cut the **back beam** to fit in between the cantilever brackets. Bolt to wall every 1.5m.
- 4) Cut the **purlins** to size. This measurement (as shown in the diagram above) is calculated as (total width minus 150mm (3 x brackets @50mm each) divided by 2. So if the total width was 5m, your 2 purlins will be 2.425m. Secure purlins with 20mm frame screws. 2 each side of purlin (refer engineer specs.)
- 5) As the purlins are an internal fit, simply spread the brackets apart to get the purlin to fit. Then once in place, secure the purlin to the bracket with 2 x 20mm frame screws on EACH side.
- 6) Cut the **front beam** to suit and attach as shown above with U Joiners.
- 7) Tighten your cantilever bracket fixings now that frame is all in place.
- 8) Tap in the end caps on the front beam to finish off.
- 9) Attach gutter to front beam. (Flat sheets only). Run necessary downpipes.



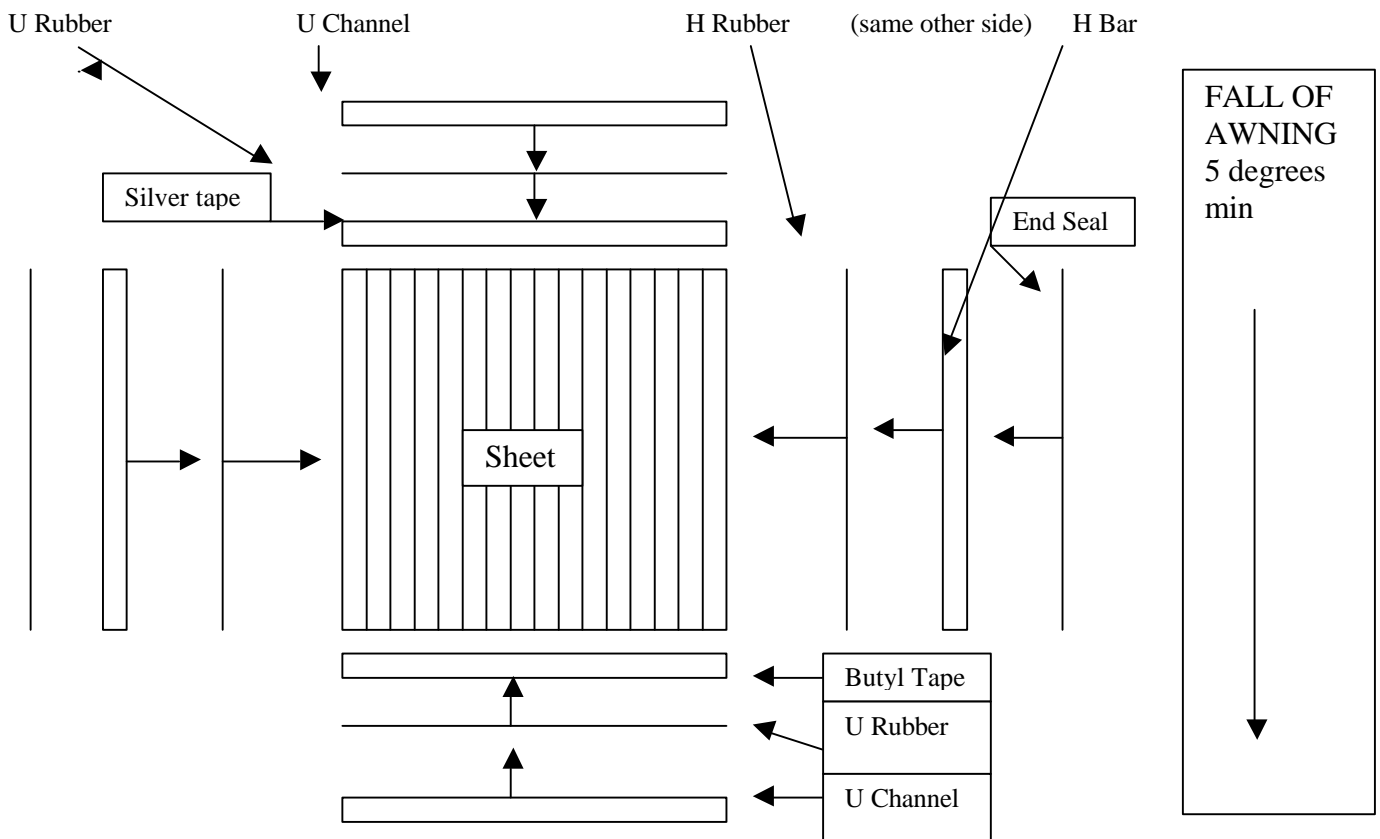
You are now ready to install the CARBOLITE roof kit system. Please follow the attached installation guides.

STEPS TO INSTALL CARBOLITE ROOFSHEETS TO FRAME.

This guide assumes a CARBOLITE cantilever frame has been installed.

- 1) Prepare as much on the ground as possible. Start by peeling the top and bottom edge of protective plastic about 100mm. Then, put the supplied tapes on the open edge of the sheets. The black sticky tar tape (butyl tape) goes on the end of the sheet where the water will run to. The standard aluminium silver tape goes on the top end. Repeat for each sheet.
- 2) Peel the plastic of the side of the sheet another 100mm back. (Always leave as much plastic on sheet as possible to prevent dirt/finger marks etc).
- 3) Cut the H Bar rubber to the SAME size as the H Bar. Do not stretch the rubber when measuring. Each H Bar needs 2 H Rubbers.
- 4) Put the rubber on one side of the sheet. Simply wipe a damp cloth over the H rubber and tap the H bar with a mallet onto the rubber/sheet.
- 5) Repeat this for each sheet.
- 6) On the first sheet, you can put two H Bars on immediately.
- 7) Measure the distance between the 2 H Bars and cut the U Rubbers to this size. You will need to do this before the next step
- 8) When this is all done, silicone the rear U Channel into place. Slide the first sheet (with 2 H bars on it) into position. Once you have this in place, screw down (using 35mm Tek screw) when in square.
- 9) Repeat this procedure for each sheet. You will need to use the mallet to tap in. Placing the sheet on an angle to the H Bar is the best procedure.
- 10) Screw down each sheet as you go.
- 11) When all the sheets are in place, cut the U rubber to each sheet so it fits at the end of the sheet(over the butyl tape end) within the H Bars. Then put the U channel on and pop rivet into place.
- 12) Finally, screw your posts into position.

The system explained:



CARBOLITE CANTILEVER AWNINGS: Installation Guide:

You will need to supply:

- 1) Drill
- 2) 1 x Tek piece to suit Tek screws x guage
- 3) Caulking Gun plus silicone.
- 4) Hacksaw or preferably drop saw with aluminium blade.
- 5) Pop Rivet Gun.
- 6) Stanley Knife

You will be supplied: ROOFKIT ONLY:

- 1) Sheets - as requested at correct length.
- 2) H Bars - same number as sheets PLUS 1.
- 3) U Channels - to cover sheets. Maximum length is 6m.
- 4) H Rubber - metres calculated at no: H Bars x length x 2.
- 5) U Rubber - same amount as U Channel.
- 6) End Seal Plug - enough to cover outside of H bars only.
- 7) Butyl Tape - enough to do bottom of sheets only.
- 8) Silver Tape - enough to do top of sheets only.
- 9) 35mm Tek Screws - calculated at 1 per baton H Bar.
- 10) Pop Rivets - enough to secure U Channels.

Description of rubbers:

H Rubber- smallest of the rubbers used to seal sheets to H Bars.

U Rubbers-thickest of the rubbers used to seal sheets to U Channels.

End Seal Plug-bulb rubber used to seal open end of last H bars.

Butyl Tape- Sticky tar tape used for bottom of sheets only.

Silver Tape-aluminium silver tape used at top end of sheets only.

You will be supplied: CARBOLITE aluminium frame:

- 1) Beams - correct amount/size as per engineer specs. (NOT CUT TO SIZE)
- 2) Purlins - correct amount/size as per engineer specs. (NOT CUT TO SIZE)
- 3) U Joiners - correct amount as per engineer specs.
- 4) Post joiners - correct amount as per engineer specs.
- 5) 20mm frame screws - number of brackets x 6.
- 6) End Caps – 4
- 7) Cantilever brackets – 1 every 3m.

Please ring our office should the above not be supplied (02 9674 2500)