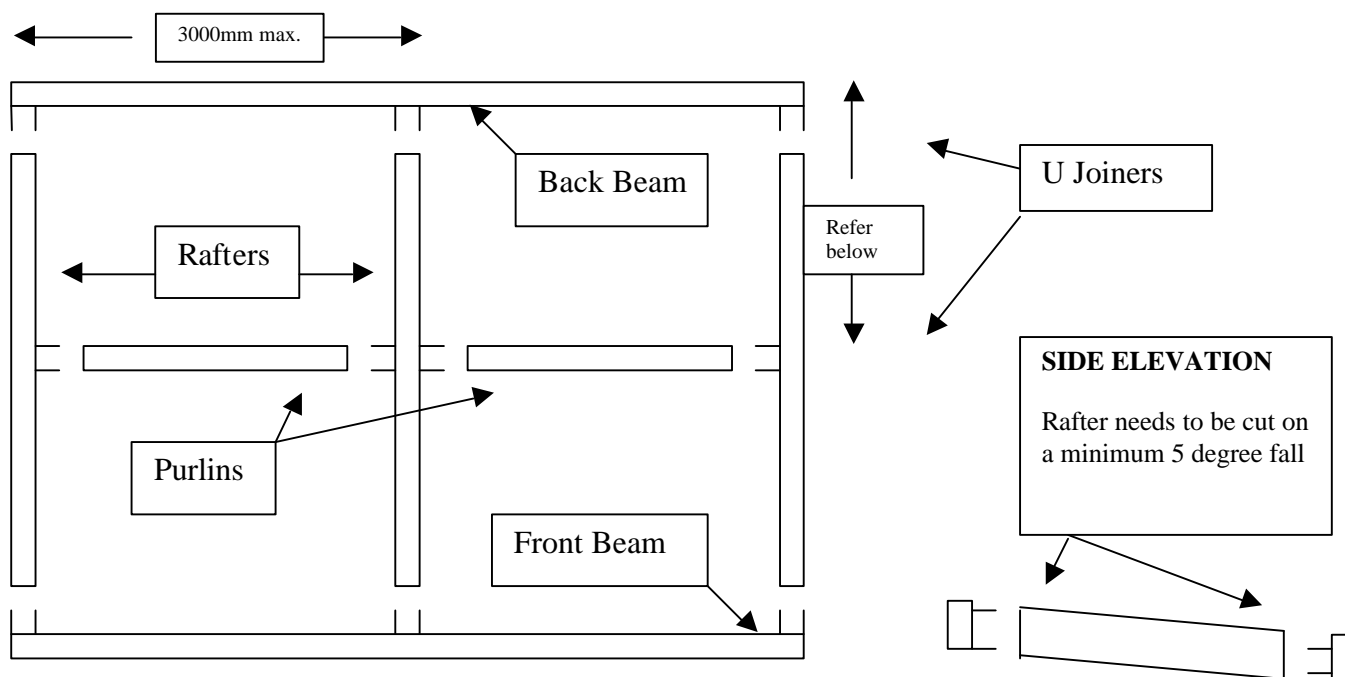


STEPS TO INSTALL KOORLITE ALUMINIUM FRAME.

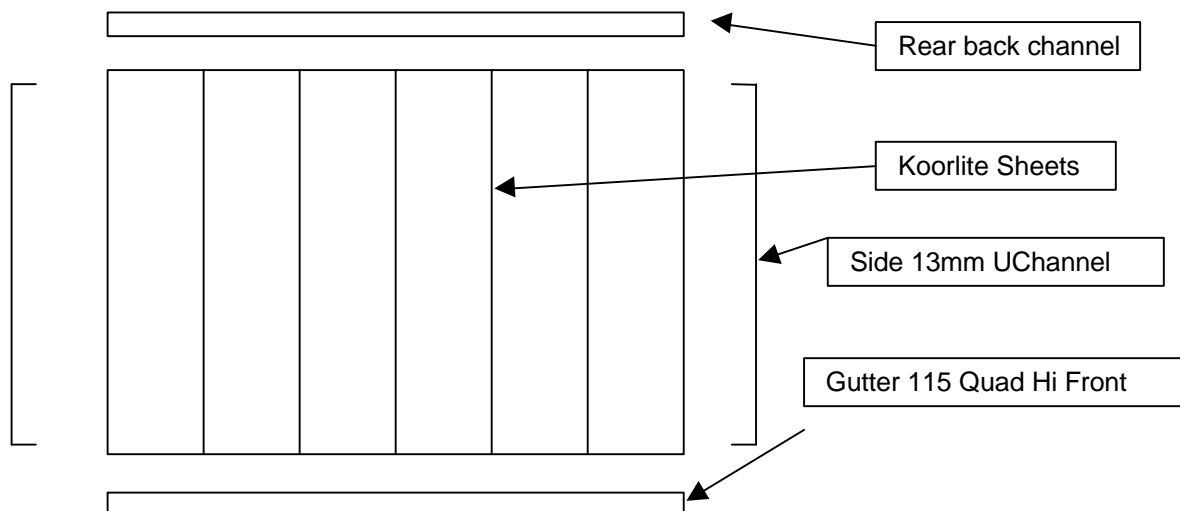


- 1) The rafters, beams and purlins all need to be cut. Cut the **beams** to the exact width you need. Then cut the **rafters** complete with a 5 degree mitre cut at both ends. This will create the fall you need. The **rafter** fits inside the beams so deduct 100mm from the overall rafter size to achieve your finished size.
- 2) Cut the **purlins** to size. This measurement (as shown in the diagram above) is calculated as (total width minus 150mm (3 x rafters @50mm each) divided by 2. So if the total width was 5m, your 2 purlins will be 2.425m.
- 3) Get the U Joiners and screw each u joiner into place. You must align each member exactly with the corresponding member to ensure they aligned. Make sure there are 2 x 20mm frame screws holding each u joiner to the beam. For the beam connectors, make sure the u joiner is 3mm in from each edge.
- 4) Then silicone the back of the back beams and screw the back beam to your wall. Ensure the beam has at least 20mm gap below a gutter to slide the roof sheets in under. Use the 100mm dynabolts/ screwbolts and space every 1.5m. Make sure there is a bolt 100mm either side of the middle rafter. (Refer attached engineer diagram.)
- 5) With your props. Slide the rafters over the u joiners and sit on the props at the front. Screw 1 tek screw into position just to hold it. (You will screw more later).
- 6) Place the purlins into position by spreading the rafters apart. Screw 1 tek screw on one side of each joiner to hold it. (You will screw more later).
- 7) Attach the front beam but leave on props. Screw into position.
- 8) Whilst the frame is still on props, go around and screw 20mm framing screws, 2 each side to each joiner. There should be a total of 4 each connection. (Refer engineer drawing.)
- 9) Do not install the posts, yet. Once the roof sheets are installed, the frame will pull into square. If you install the posts now and the frame is not square, the posts will not be square after.
- 10) Touch up any screws now. Tap in black end caps to open ends of beams.
- 11) Attach gutter to front beam. Run necessary downpipes.
- 12) Purlin Spacings

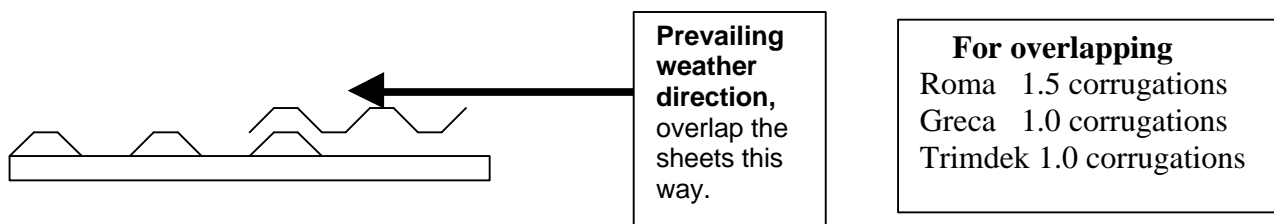
PROFILE	END SPAN	MID SPAN
Roma	800mm	1000mm
Greca	900mm	1200mm
Trimdek	900mm	1200mm

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

STEPS TO INSTALL KOORLITE ROOFKIT



- 1) Silicone Rear back channel into place. (The over sized leg is on top.)
- 2) Start to attach the sheets using the tek screws supplied (45mm). You will need to oversize the holes using a 10mm drill bit for sheets up to 4.2m and a 12mm drill bit for sheets over this. We recommend the one shot fixing screw which takes this into account. Fasten them on the crest of each sheet spaced (refer table below). Be aware of prevailing weather which will determine which way you over lap the sheets. Ensure UV side facing up!!



3)

Fixings Spacings

Profile	End Purlins	Mid Purlins
Roma	Every 2 nd crest	Every 3 rd crest
Greca	Every 2 nd crest	Every 3 rd crest
Trimdek	Every Crest	Every Crest

- 4) Repeat the steps for each sheet. Make sure when you fasten each screw you don't over tighten.
- 5) Then attach the 13mm U channels to the side with a pop rivet into the sheet.
- 6) Remove any filings from the roof. You have successfully installed your koorlite awning.
- 7) In the event that you need to cut the profiled roof sheeting, the sheet can easily be cut with a pair of shears, a fine toothed saw or a circular saw with a cut off blade suitable for plastic.

Polycarbonate roof sheets are very susceptible to scratching so take care when handling them. To maximise the life of your koorlite roofing, we recommend you avoid placing them near a patio heater. The manufacturer recommends that sheets be a distance of 1m minimum from heat source.

KOORLITE PATIO COVER – INSTALLATION GUIDE

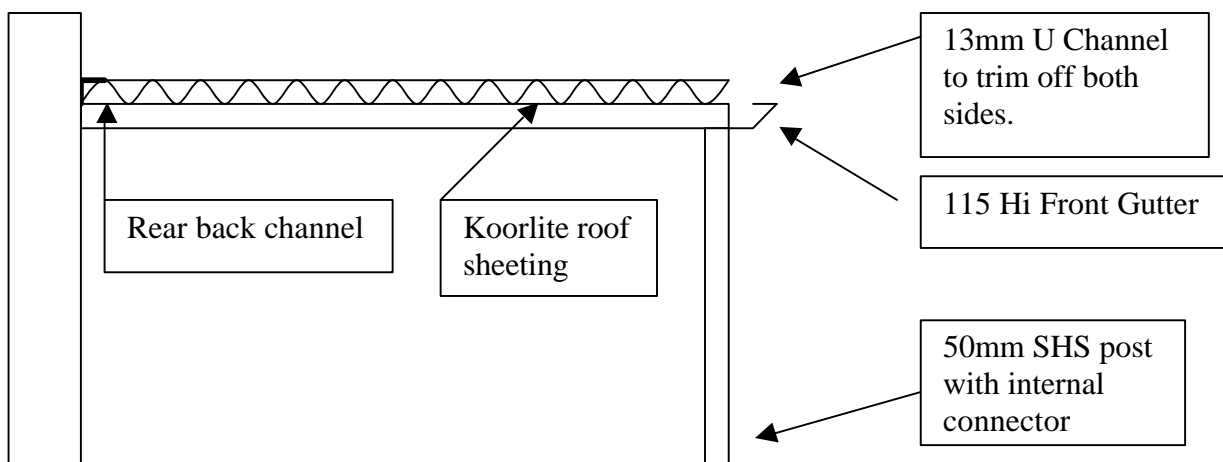
What is included:

- Koorlite polycarbonate sheets (greca/roma/trimdek)
- Aluminium beams/rafter/purlins/posts (cut to size)
- Connecting joiners for above.
- 1 x Back Channel/BIP Foam
- 2 x Side Channel
- 45mm One shot screws
- 20mm Tek Screws for beam connections.
- 115 Hi Front Quad Gutter/Downpipe/nozzles/stop ends (additional cost as per pricelist)
- Pop rivets – to secure side channels.

What you need to supply:

- 1) Drill complete with Hex head piece 5/16"
- 2) Pop Rivet gun
- 3) Caulking gun / silicone.
- 4) Props (preferable)
- 5) Attachments for rear fixing of back plate (either 100mm Dynabolt/10mm Coach Screw). We don't supply as we are unaware of the fixing.

THE KOORLITE COMPLETE SYSTEM



Rear Back Channel

Side Channel 13mm

