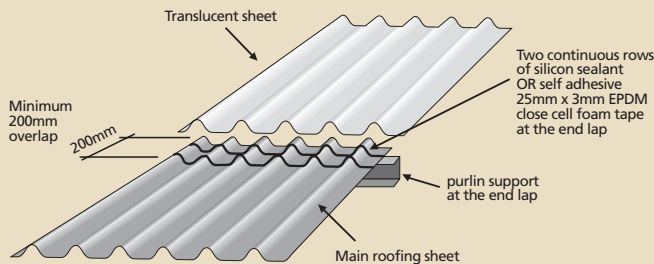


End Laps

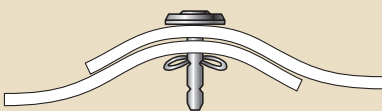
- Minimum recommended length of end lap of GRP sheets and/or with metal profile sheeting is 200mm.
- Position of lap over purlin - it is recommended the bottom end of the lap sheet be within 50mm of the lower side of the purlin.
- Position of the seal - the bottom bead should be within 25mm from the bottom of the top sheet in lap, and the top bead of seal within 50mm of the top of the bottom sheet.



Side Lap Fixing

Side laps should be fixed at a maximum spacing of 600mm to prevent wind uplift and leakage, and these fixings shall be through the top of the rib.

- When fixing GRP to metal, pre-drill the appropriate oversize hole in the GRP and screw through the centre of the hole into the metal using a self drilling hex head screw 12g or 14g complete with load spreading washer and 36mm EPDM sealing washer.
- When fixing GRP to GRP use a bulbrite rivet 6-4w through the top of the rib of the GRP sheets



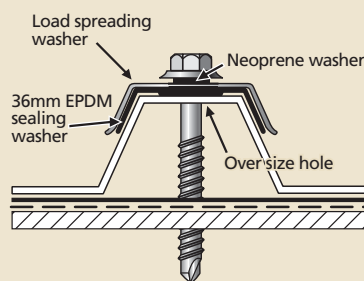
Fastener and Sealing Washer Recommendations

The fastener shall be as for the main roof cladding and will be used in conjunction with an Alsynite load spreading washer constructed of 0.95mm unpainted/prepainted metal or 1.2mm aluminium to match the main cladding material. In a highly corrosive environment, consideration should be given to the use of stainless

steel or other appropriate corrosive resistant material.

Inserted under the load spreading washer will be a 36mm EPDM sealing washer which is to be correctly seated to provide an effective seal. Fasteners should be inserted through the top centre of the rib/corrugation.

Figure 1



- 3mm purlin tape barrier strip
- - - Safety mesh
- ▨ Purlin

Other fastening methods may be suitable based on sheet length and load characteristics. Alsynite NZ Ltd should be contacted for further clarification and advice.

- All fastener holes should be pre-drilled over-size to accommodate the expansion and contraction of the sheets as follows:

Sheets up to 6m	8mm Ø hole
Sheets 6 to 9m	10mm Ø hole
Sheets 9 to 12m	12mm Ø hole
Sheets 12 to 28m	16mm Ø hole

Note: It is important to centre the fixing in the oversize hole to ensure the sheet has equal movement around the fixing.

Fastener Pattern

- Corrugated profile end supports and end laps: Fix side laps and every 2nd corrugation.
- Corrugated profile internal supports or purlins: Fix side laps and every 3rd corrugation.
- 5 rib low trapezoidal profiles (19mm to 30mm): On all purlins fix every rib.
- 5 rib high trapezoidal profiles (50mm to 65mm): On all purlins fix every rib.
- 7 to 8 rib medium trapezoidal profiles (33mm to 38mm) end support and end laps: Fix every rib.
- 7 to 8 rib medium trapezoidal profiles (33mm to 38mm) internal support or purlins: Fix side laps and every 2nd rib.

Note: In very high wind load areas, contact Alsynite NZ Ltd for specific recommendations. Do not overdrive the fasteners so that deformation of the sheet occurs.

Further Technical Assistance

The installation instructions are a guide to assist with installation of translucent roof sheeting. However, this should be read in conjunction with the full technical information contained in the Alsynite Technical Catalogue.

For non-standard building design such as drape curve roofs, contact Alsynite NZ Ltd for technical advice prior to ordering product or commencing the project.