

Once steel roofing is laid, the Twinskin Systems Translucent Roofing can be laid.

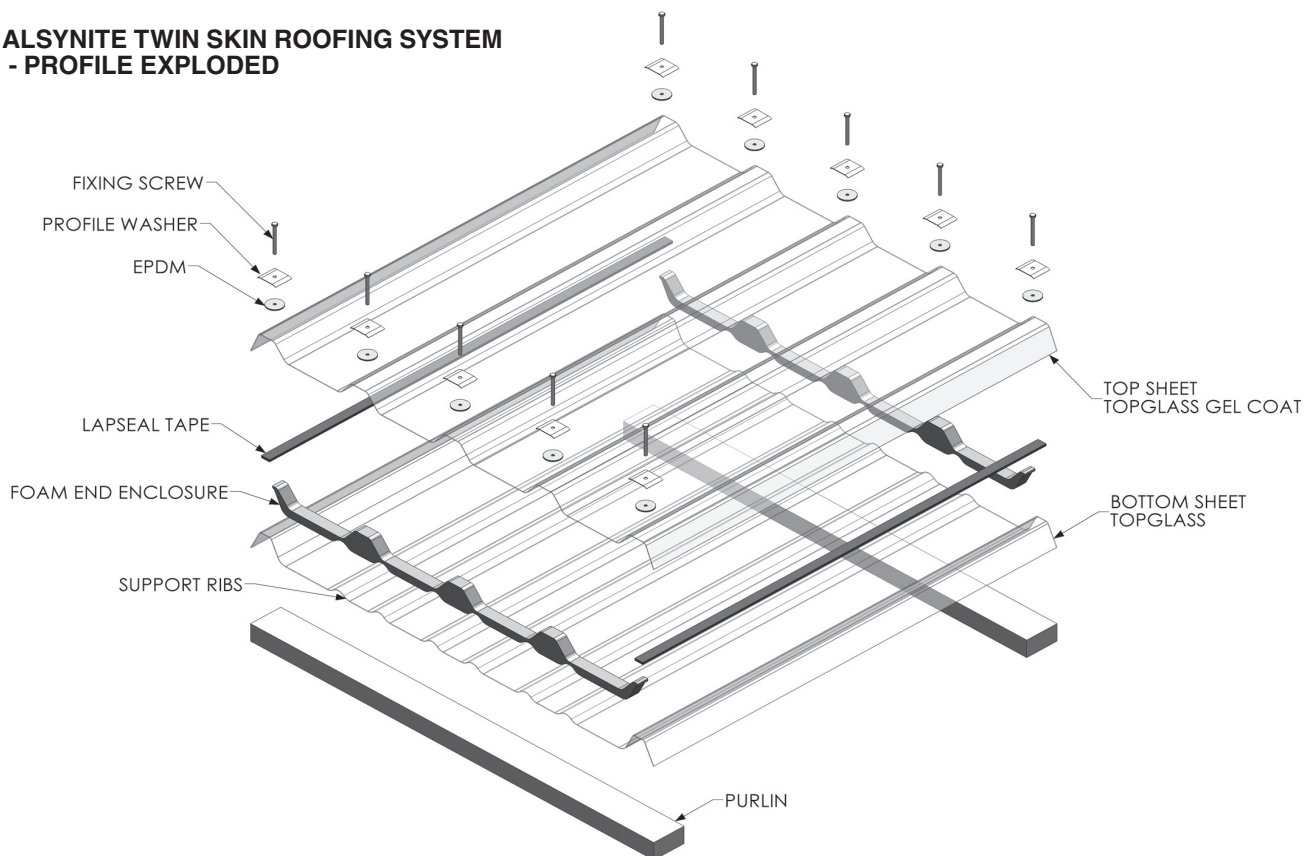
- Start with installation of the **bottom support sheet** of the system.
- **Fit Lap-seal tape on the top of the 2 outside ribs of the bottom sheet.** The lap-seal tape is to run continuously along the full length of the ribs. For ease, this can be carried out before the sheets are lifted to the roof – but **care must be taken not to damage the tape.**

If Twin-skin is to be laid side by side then it is recommended another length of lap-seal tape be run between the two main sheets.

- **Foam End Enclosures are to be installed at the gutter end and the ridge end of the sheeting.** This can be carried out either before or after top sheet is laid in place. Fix in place with a small amount of silicon if needed.
- **If sheets are to be end lapped,** position lap over a purlin, sheets should lap a minimum of 200mm. Fix two rows of lap-seal tape between the sheets that are to be lapped.
- **Install top sheet of Twin-skin system** and recheck lap-seal and end enclosures have not moved.
- **Oversize fixing holes** to manufacturers specifications on the top sheet only and proceed to fix down the roofing. Install side lap fixings at a maximum of 600mm apart.

**Care must be taken to ensure that any of the foam components have not moved as this will result in the system not being air tight.**

### ALSYNITE TWIN SKIN ROOFING SYSTEM - PROFILE EXPLODED



## Roofing Installation Procedure With Existing Skylights

**This system is designed for retro fitting an additional translucent sheet on top of an existing sheet to create a Twin-skin system.**

- Start with extraction of screws from the existing clear sheet, longer screws will need to be sourced for fixing down internal ribs as they will be 20mm higher.
- Next fit Lap-seal tape at the top of the 2 outside ribs on the existing clear sheeting, the lap-seal tape is to run continuously along the full length of the ribs. If Twin-skin is to be laid side by side then it is recommended another length of lap-seal tape be run between the two main sheets.
- Trim height of the 25x25x2.4 Foam lengths to 20mm high, cut into cubes and stick to top of internal ribs.
- Lay new top sheet of translucent on to the foam spacer blocks, this will create an air gap between the two sheets.
- The 25x25x2.4 Foam can be cut down and used as End Enclosures at the gutter end and the ridge end of the sheeting. Fix in place with a small amount of silicon if needed.
- Oversize fixing holes to manufacturers specifications on the top sheet only and proceed to fix down the roofing. Install side lap fixings at a maximum of 600mm apart.
- Care must be taken to ensure that any of the foam components have not moved as this will result in the system not being air tight.
- If sheets are to be end lapped, position lap over a purlin, sheets should lap a minimum of 200mm. Fix two rows of lap-seal tape between the sheets that are to be lapped.