Triple Skin Systems

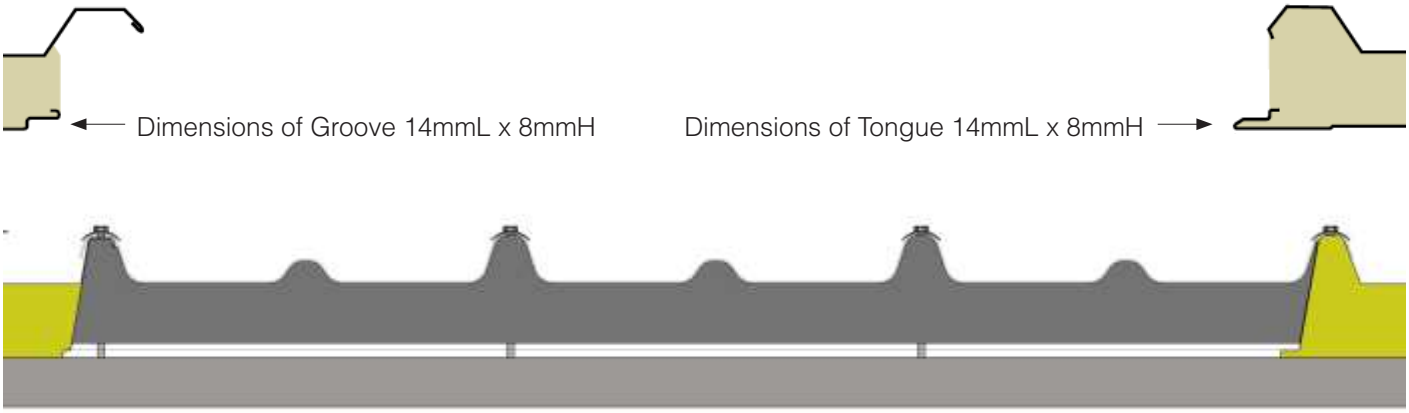
Translucent Roofing

METECNOSPAN SYSTEM INSTALLATION

Laserlite 10mm Twinwall Bottom Sheet:

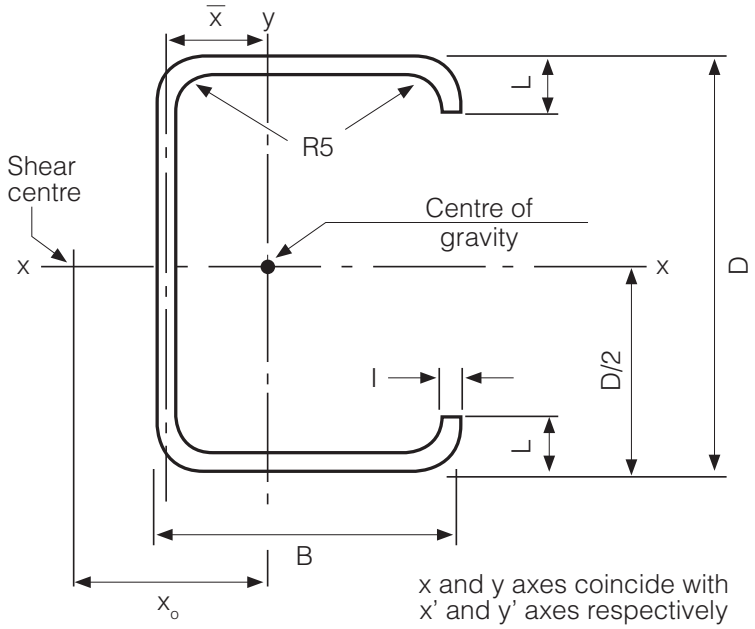
- Before any installation, the 10mm Laserlite® Twinwall sheets needs to have a top and bottom rebate,14mmL x 8mmH cut down the outside edges to integrate with the tongue and groove at the base of the panel system.

  The tongue on one side will support the 10mm sheet, using silicon or double sided foam tape to hold it in place. Whilst the other side needs to be held in place with silicon or double sided foam tape, finally fixing in place from the underside with 4g x 15mm tech screws through the 10mm sheet into the steel underside of the panel at even spacings.



- Measure desired distance required between insulated panels.
- Lay sheets on to purlins with the joiner between each sheet fitting the ends together, either on, or between purlins dependant on span distance.
- Where the two sheets are going to join on a purlin, ensure the join is off-centre (this will allow top sheet fixing in the centre of the purlin) – say 1/3 in from purlin edge (Point Y).

If top sheet span exceeds 1.8 metres, a mid-span support bar is to be installed.



Head Office
7 De Leeuw Place
Te Rapa Park
Hamilton 3200
Ph: 07 850 5088
Fax: 07 850 5003

Palmerston North Branch
74 Malden Street
Roslyn
Palmerston North 4414
Ph: 06 356 5384
Fax: 06 356 5387

Christchurch Branch
18 Nga Mahi Road
Sockburn
Christchurch 8042
Ph: 03 348 3375
Fax: 03 348 3376

Invercargill Distribution Centre
140 Mersey Street
Invercargill 9810

ALSYNITE®
0800 257 964 | salesals@alsynite.co.nz
www.alsynite.co.nz

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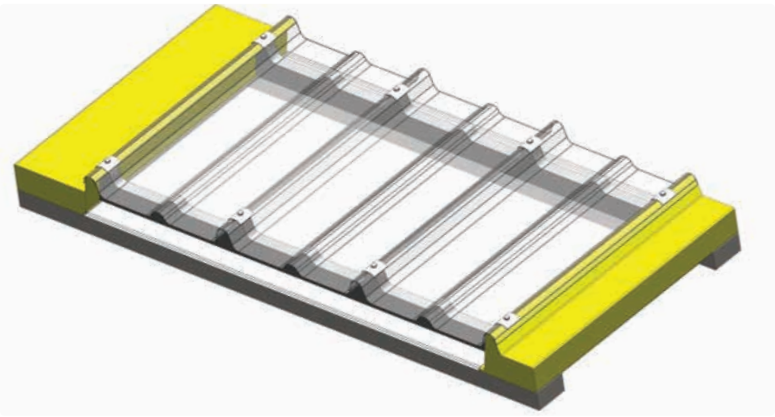
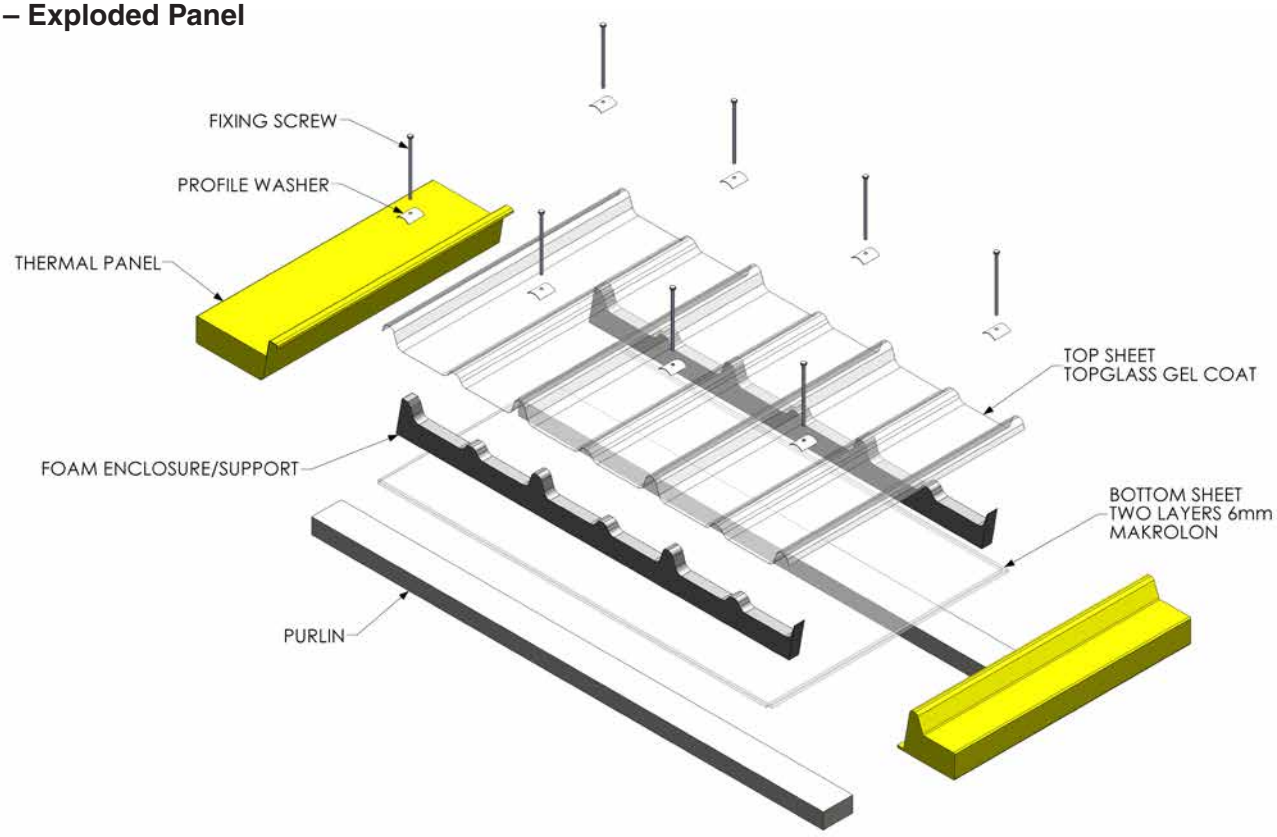
- Place profiled foam supports on each purlin – a small amount of silicon can be used to hold these in place if required. These will also act as Narrow Tip closure E Fillers.
- Run Lap-Seal tape the full length on top of the two iron panel ribs that the fibreglass top sheet will overlap (see diagram below).
- Lay the top sheet of the system down, making sure the ends of the top and bottom sheets are even. Mark ribs of the translucent sheeting and drill oversize fixing holes if required.
- Fix with profile washers and EPDMs on every rib and every purlin.
- Fit Wide Tip profile foam between top sheet and ridge flashing.



Alsynite Triple Skin Thermal Roofing System – Exploded Panel



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