1. SELECT PRODUCT

A reliable range with 99.9% protection from harmful UV rays.

PRODUCT TECHNOLOGIES

- Lifetime Gold Warranty*
- Certified to Australian Standards

2. SELECT COLOUR

Light Transmission %
- Clear: 93%
- Grey tint: 19%
- Opal: 49%

Heat Reduction %
- Clear: 0%
- Grey tint: 47%
- Opal: 52%

3. SELECT PROFILE

- Corrugated
- 5-rib

4. SELECT LENGTH

Laserlite® 1000

Lengths available - 9.0m

Sheet width
- Corrugated 840mm
- 5 Rib 830mm

Cover width
- Corrugated 755mm
- 5 Rib 762mm

‡ Based on the warming effect of the sun’s rays through a sheet vs 3mm float glass (300-2500nm).

Light level

MORE LIGHT

CLEAR

OPAL

GREY TINT

LESS LIGHT

Comfort level

WARMER

CLEAR

GREY TINT

OPAL

COOLER
Installation Guide

Step 1
Purlins & Accessories

1. Ensure that your roof pitch is at least 5°, ie. 88mm rise per linear metre. This will ensure adequate water run off.

2. Allow for ventilation, particularly at the highest point, to minimise heat build-up and provide air circulation. Good ventilation will also minimise condensation in cold weather.

3. For roofing, purlin/batten spacings should be no more than those shown in Table X - Maximum Purlin Spacings. For curved structures, the maximum purlin spacing should be 750mm and a minimum radius of 4000mm for Corrugated profile and 14000mm for 5 Rib profile. For walls, no gapping spaces should be no more that 1200mm. Use Laserlite® Noise Stop Tape on all batters, purins or nogging to minimise the noises associated with expansion and contraction.

4. Lay Laserlite® Noise Stop Tape to avoid creaking.

5. Lay Laserlite® Eave Infill Strips at eaves to avoid rain, dust & wind entering the eaves.

6. For installations under a gutter, fit metal back channel with Back Channel Infill Strips prior to laying sheeting.

Table X - Maximum Purlin Spacings

<table>
<thead>
<tr>
<th>Profile</th>
<th>End Span</th>
<th>Mid Span</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrugated</td>
<td>800mm</td>
<td>1000mm</td>
</tr>
<tr>
<td>5 Rib</td>
<td>900mm</td>
<td>1200mm</td>
</tr>
</tbody>
</table>

Step 2
Sheet & fixings

1. Ensure that the UV surface protected side faces the sun. This is the side of the label and the inkjet marking. When installed as a wall or fence it is recommended that the UV protected side is facing the most sun. The life of the sheet may be shortened and discolouration may occur due to the unprotected side being exposed to UV radiation.

2. The sheet can be easily cut with a pair of shears, a fine-toothed handsaw or a circular saw with a cut-off blade suitable for plastic.

3. For roof laying, start with the lower sheets first, keeping side laps away from prevailing wind. Allow an overhang of 50mm. Temperature changes will cause expansion and contraction, so make allowances for thermal movement. Resistance to movement can cause buckling.

4. Side laps will differ by profile. Install as shown below:

- Use appropriate personal protective equipment (PPE) such as safety footwear, glasses and gloves.

5. To ensure maximum performance of the sheet, and to avoid buckling, it is necessary to oversize the holes and centre the fixings. It is recommended that Laserlite® One Shot® fixings are used. They come complete with their own hole saw that cuts an expansion hole as you drill. The screw is centred every time and the cutter holds the plug of expansion and contraction.

6. End overlaps should be 150mm for steep pitch or 200mm for shallow pitch.

Step 3
Capping & Flashings for various Installations

APEX ROOF - Fit metal barge capping to the edge of sheet and metal ridge capping to the apex.

UNDER A GUTTER - Fit back channel flashing with foam infill strips under gutter prior to laying sheets and metal barge capping to edge of sheet.

AGAINST A WALL/FASCIA - Fit metal barge capping to edge of sheet and metal apron flashing at the wall or fascia.

Safety Recommendations

- Always exercise extreme care when walking on a roof.
- Never walk on or apply your load directly to sheeting.
- In particular consider all safety requirements when working at heights above 2m.
- For safety reasons we recommend the use of safety mesh for installations above 3m.
- Use appropriate personal protective equipment (PPE) such as safety footwear, glasses and gloves.
- All safety practices must comply with the applicable local building and/or work cover code(s).
- We do not recommend the collection of drinking water from any roof without appropriate precautions and filtration. Check with your local water authority for further advice.

CAUTION: To maximise the life cycle of your Laserlite® roofing, Laserlite® recommends avoiding exposure of polycarbonate sheeting to excess heat from patio heaters. Maintain a distance of 1 metre minimum between the sheets and the heater with adequate ventilation at all times and temperature to below 90°C beneath the sheeting. If the temperature rises above 90°C, remove the heater immediately.