

ASTROLITE®

General Purpose Polycarbonate Sheeting



Bayer MaterialScience

ASTROLITE® is a general purpose polycarbonate sheeting product, perfect for a multitude of applications around the home including shed skylights, awnings, cubby house roofing or as a budget cladding material. Made in Australia and offering 99.9% UV protection, ASTROLITE® is also supported by a 7 year Builder's Warranty.



Enhance, protect and relax with ASTROLITE® polycarbonate sheeting

Product Range

Colours: Clear, Antique Bronze, Smoke Grey
 Profiles: Roma
 Sheet Width: 840mm
 Cover Width: 760mm
 Available lengths in metres: 1.8, 2.4, 3.0, 3.6, 4.2

Safety Recommendations

- Always exercise extreme care when walking on any roof.
- Never walk on or apply a load or your weight directly to sheeting.
- In particular consider all safety requirements when working at heights above 2m.
- For safety precautions we recommend the use of safety mesh for installations above 3m.
- Use appropriate personal protective equipment (PPE) such as safety footwear, safety glasses and gloves.
- All safety practices must comply with the applicable local building and/or Workcover code(s).

Pre-installation Tips

- 1 Always install ASTROLITE® with label facing up. This ensures the UV protected side is facing the sun.
- 2 Allow for ventilation particularly at the highest point to minimise heat build up and provide air circulation.
- 3 When installed as a fence the life of the product will be shortened and some discolouration may occur due to the untreated side being exposed to UV radiation.
- 4 A minimum pitch of 5° is recommended. Below 5° may result in the roof leaking. (88mm rise per lineal metre = 5° pitch).
- 5 ASTROLITE® can be easily cut with shears, a fine toothed hand saw or circular saw with cut-off blade suitable for plastics. Always wear eye protection when using cutting tools.
- 6 To avoid buckling, fixing holes should be pre-drilled with a 10mm drill, to allow for expansion and contraction. A 5/16" drill hexdriver bit should be used.
- 7 Use polycarbonate fixings.
- 8 Drill holes through the crest of the corrugation for roofing and through the valley for walls.
- 9 Purlin spacing should be as per the table below.

PURLIN SPACING RECOMMENDATION	End Span	Mid Span
Roma	800mm	1000mm



Product Warranty

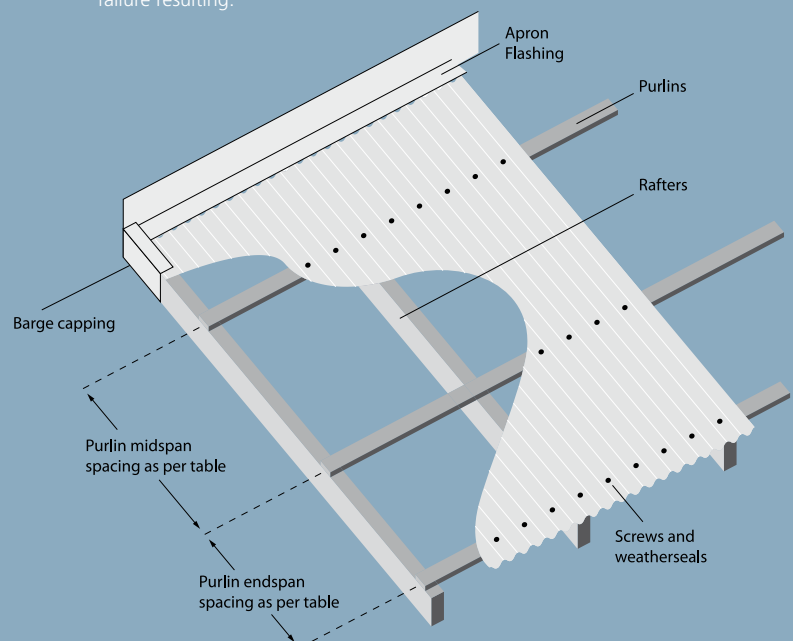
- 1 7 year warranty against loss of light transmission*
- 2 5 year warranty against breakage due to hail*

* Refer to full terms & conditions at www.bayermaterialscience.com.au or from a Bayer MaterialScience office. Any claim should be made in writing to: The Product Manager, ASTROLITE®, Private Bag 10, Cheltenham Victoria 3192.

Easy Installation Instructions



- 1 For roof laying start with lower sheets first, keeping side laps away from prevailing wind.
- 2 Side laps should be 1 1/2 corrugations.
- 3 End overlaps should be 150mm for steep pitch, 200mm for shallow pitch.
- 4 Overhang at roof edge should not exceed 50mm.
- 5 Fix sheets using polycarbonate fixings and weatherseals. You will need approximately 7 fixings per lineal metre. In normal conditions fixing holes must be drilled through every second corrugation at both ends of the sheet, and through every third corrugation at intermediate purlins and noggings. In high wind areas fix on every second corrugation on each purlin/batten. Fixings must be placed perpendicular to the timber and in the centre of the pre-drilled hole. Use normal pressure in tightening the fixing. Tighten only enough to prevent rattling. Over tightening may cause distortion and undue stress with possible failure resulting.



Handling and Storage

- 1 Store sheets on a flat surface in a well protected and shaded area, out of direct sunlight. Stacked sheets stored in the sun will cause heat build-up and possibly distortion, even if covered. If damage occurs in this situation, warranty is void.
- 2 Prevent moisture getting between stored sheets as this may cause whitening.
- 3 Avoid contact with chemicals, paints, solvents and sealants (especially silicone) as many of these are incompatible with ASTROLITE®.
- 4 Clean with warm soapy water (mild detergent) and a soft sponge. Scrub down with a soft brush. Hose down thoroughly.