

SolarTuff®



Enhance, protect and relax in your outdoor living area with SolarTuff® polycarbonate roofing.



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ALSYNITE®

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Lifetime WARRANTY
5 YEAR Hail Damage WARRANTY

 Bayer MaterialScience

SolarTuff®

Enhance your home and complement your outdoor entertaining area with SolarTuff® polycarbonate roofing. Offering 99.9% UV protection and made in Australia, SolarTuff® provides year round protection

from the New Zealand sun. With high impact resistance you can relax beneath your SolarTuff® with your mind at ease knowing that it is supported by a lifetime warranty.

Enhance, protect and relax with SolarTuff® polycarbonate roofing.

Product Range

Colours: Clear, Opal, Antique Bronze, Smoke Grey

Profiles: Roma  Greca 

Width/Cover: ROMA width 840mm, cover 760mm
GRECA width 815mm, cover 760mm

Available sizes in metres: 1.8, 2.1, 2.4, 2.7, 3.0, 3.6, 4.2, 4.8, 5.4, 6.0, 7.2

* Shading coefficient is a ratio of the warming effect of the sun's rays through a sheet divided by the sun's warming effect through 3mm float glass. The lower the figure the cooler it is under the sheet.

COLOUR	LIGHT TRANSMISSION	SHADING COEFFICIENT*
Clear	91%	1.01
Opal	53%	0.56
Antique Bronze	30%	0.70
Smoke Grey	17%	0.57

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 work cover code(s).

Pre-installation Tips

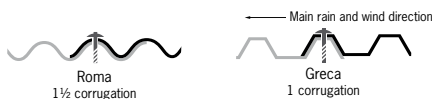
- 1 Always install SolarTuff® with label facing up. This ensures the UV protected side is facing the sun.
- 2 Allow for ventilation particularly at the highest point to minimise heat build up and provide air circulation.
- 3 When installed as a fence the life of the product will be shortened and some 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 SolarTuff® 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 for sheets up to 4.2m long, or a 12mm drill for longer sheets, to allow for expansion and contraction. A 5/16" drill hexdriver bit should be used.
- 7 Use only Laserlite branded polycarbonate fixings, as these are designed to be compatible with polycarbonate. Any failure resulting from fixings other than Laserlite branded fixings will not be covered by warranty.
- 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.
- 10 For safety precautions we recommend the use of safety mesh for installations above 3m.
- 11 We recommend the use of walking boards along purlins. Never walk directly on sheeting.
- 12 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.

PURLIN SPACING RECOMMENDATION

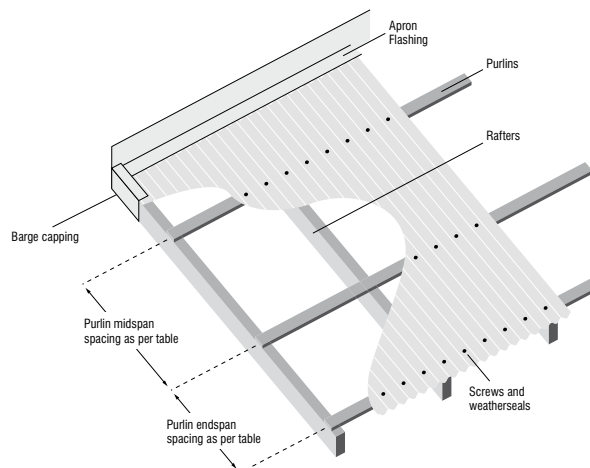
	End Span	Mid Span
Roma	800mm	1000mm
Greca	900mm	1200mm

Easy Installation Instructions

- 1 For roof laying start with lower sheets first, keeping side laps away from prevailing wind.
- 2 Side laps differ according to profile. Install as shown below.
- 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 Laserlite branded 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 SolarTuff®.
- 4 Clean with warm soapy water (mild detergent) and a soft sponge. Scrub down with a soft brush. Hose down thoroughly.

Product Warranty

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

*Conditions apply. It is the responsibility of the consumer to obtain a copy of the full warranty conditions. Full details of the warranty can be requested at point of sale or the manufacturer. Any claim should be made in writing to The Product Manager, SolarTuff®, PO Box 10409, Te Rapa, Hamilton 3241, NZ.

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5 YEAR Hail Damage WARRANTY

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