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

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5 YEAR Hail Damage WARRANTY

Lifetime WARRANTY
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.

### 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.

**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 the conditions of use are beyond our control. This brochure cancels and reserves the right to alter and revise without notice the information contained herein.

**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 discoloration 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 linear 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.

**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.

**Handling and Storage**

1. Fix sheets using Laserlite branded polycarbonate fixings and weatherseals. You will need approximately 7 fixings per lineal metre. In normal conditions fixings 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.

**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.

**DISTRIBUTION CENTRES:**
- Palmerston North Tel: 06 356 5384
- Christchurch Tel: 03 348 3375
- Invercargill Tel: 03 214 6052

**Manufactured by:** Bayer MaterialScience

**Distributed by:** ALSYNITE HEAD OFFICE:
- Freephone 0800 257 964
- Hamilton Tel: 07 850 5088

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