

Solasafe & SolaFrost

AMPELITE

Cuts
99.9%
UV



**Ampelite Solasafe
& SolaFrost**



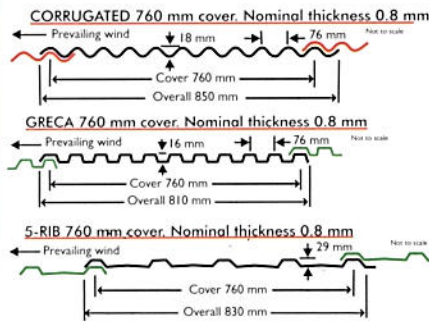
**Solasafe Polycarbonate.
Your UV Safe Window to
the Sky.**



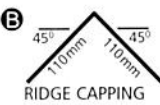
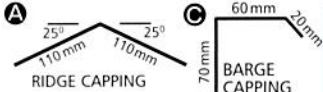
'SOLASAFE'
THE NAME SAYS IT ALL

Ampelite is proudly Australian owned.

PROFILES AND FLASHINGS

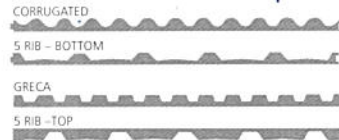


POLYCARBONATE

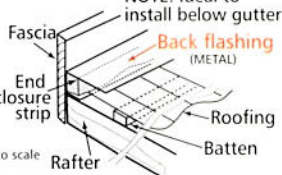


Lengths:
3.6 m, 4.2 m, 4.8 m, 6.0 m. Drawings not to scale

End Closure Foam Strip



METAL



DIMENSIONS

- A All profiles 45 mm.
- B Corr. & Greca 20 mm, 5 Rib 30 mm.
- C All profiles 25 mm.

Available in 2.4 metre lengths only

Anti-noise Tape

We recommend the use of self adhesive foam tape on battens to reduce noise created by expansion and contraction of the sheeting.

Minimum to maximum SHEET LENGTHS

CORRUGATED

1.8 m to 8.1 m – Clear, Opal, Light Bronze, Grey, Dark Tint, Pearl Ice, Silver Mist.

1.8 m to 6.0 m – Smooth Cream, SolaFrost Clear, SolaFrost Grey.

GRECA

1.8 m to 8.1 m – Clear, Light Bronze, Grey, Dark Tint, Pearl Ice, Silver Mist.

1.8 m to 6.0 m – Opal, Smooth Cream.

5 RIB

1.8 m to 8.1 m – Clear, Opal, Grey.

1.8 m to 6.0 m – Light Bronze, Dark Tint.

Standard LENGTHS available

1.8 m, 2.1 m, 2.4 m, 2.7 m, 3.0 m, *3.3 m, 3.6 m, *3.9 m, 4.2 m, 4.8 m, 5.4 m, 6.0 m, 6.3 m, 7.2 m, **8.1 m.

*3.3 m and/or 3.9 m are only available in some product lines; please check with your supplier or Ampelite in your state.

**Note: 8.1 m lengths are only available in the profiles and colours shown in the cream coloured panels above.

FOLLOW FIXING INSTRUCTIONS

Carefully follow all Ampelite fixing instructions in this brochure. As polycarbonate sheeting expands up to 21.6 mm (0-40°C) over eight metres, we do not recommend using sheets above 8.1 m.

SPACING – PURLINS AND RAFTERS

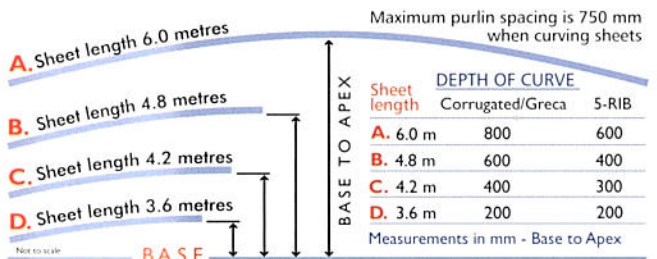
Maximum sheet spans	END	MID
Corrugated	800	900
Greca	900	900
5 Rib	900	1000

*Nominal thickness: All profiles 0.8 mm

The above mentioned spans are a recommendation and are designed to achieve the best performance for the 'Solasafe' sheet. Greater spans are possible but may lead to the sheet ocean waving and or water ponding.

When rafter spacing coincides with sheet overlaps the roof appears join free. Sheet cover is 760mm.

MAXIMUM RECOMMENDED CURVES



STORAGE & HANDLING

Sheets should be stored in cool, sheltered surroundings. Do not place heavy materials on the sheets, or drag stacks to a new location. Always support sheets when moving. Sheeting exposed to sun and rain, or stored under tarps etc, can be damaged either by distortion or condensation between the sheets. Damage caused by incorrect storage or handling is not covered by the warranty.

ABRIDGED TECHNICAL SPECIFICATIONS

Ampelite supplies its polycarbonate products to Australian Standard AS4256.5: 1994, Plastic roof and wall cladding materials -Part 5: Polycarbonate.

Solasafe is classed as a fire retardant material under AS/NZS1530.3:1999 Methods for fire tests on building materials, components and structures - Part 3: Simultaneous determination of ignitability flame propagation, heat release and smoke release.

Wind loading complies with AS1170.2:1989 SAA Loading Code -Part 2: Wind Loads and AS4040.2:1992 – Method 2: Resistance to wind pressures for non-cyclone regions. Also AS4040.3: 1992 – Method 3 Resistance to wind pressures for cyclone regions.

Light transmission is measured under AS/NZS4257.4:1994 – Method 4: Determination of diffuse light transmission. Full specifications are available from Ampelite state offices.









Solasafe is available in a Colour, Profile, and Heat Range to suit every domestic application. (Not recommended for industrial use).



Level One

Key: 0 = full light 10 = full shade

The most widely used Solasafe polycarbonate sheet. Six colours with varying light and heat transmission.



<p>CLEAR</p>  <p>Shade factor 1</p> <p>Light transmission 91%</p> <p>Heat transmission 85.2%</p>	<p>LT. BRONZE</p>  <p>Shade factor 3</p> <p>Light transmission 36%</p> <p>Heat transmission 60.6%</p>	<p>GREY</p>  <p>Shade factor 5</p> <p>Light transmission 26%</p> <p>Heat transmission 50%</p>
<p>OPAL</p>  <p>Shade factor 7</p> <p>Light transmission 55%</p> <p>Heat transmission 40.2%</p>	<p>DARK TINT</p>  <p>Shade factor 7</p> <p>Light transmission 17%</p> <p>Heat transmission 38.9%</p>	<p>SMOOTH CREAM</p>  <p>Shade factor 7</p> <p>Light transmission 44%</p> <p>Heat transmission 35.2%</p>

Temperatures in direct sunlight are greater than the temperatures given in weather reports. The shade factors shown provide an indication of the heat absorbed or reflected by the Solasafe sheet.

Level Two

Key: 0 = full light 10 = full shade

The SolaFrost range. Low transmitted heat, softer light, more comfort.

<p>CLEAR</p>  <p>Shade factor 2</p> <p>Light transmission 87%</p> <p>Heat transmission 74.3%</p>	<p>GREY</p>  <p>Shade factor 7</p> <p>Light transmission 27%</p> <p>Heat transmission 49.87%</p>
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Ampelite SolaFrost will significantly reduce the amount of direct sunlight and glare when compared with standard polycarbonate sheeting. This in turn greatly enhances comfort of your outdoor area.

Unlike Level 1 Standard polycarbonate transparent sheeting, Ampelite SolaFrost is a translucent (diffused) polycarbonate product. This greatly enhances outdoor comfort.

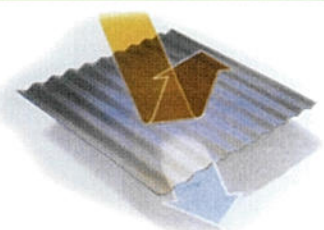
- Translucency = Heat and glare reductions.
- Transparency = Some heat and glare.
- Matt texture helps eliminate expansion noise unlike standard polycarbonate sheeting.

Level Three

Key: 0 = full light 10 = full shade

Solasafe HR1 Heat reducing sheeting. Especially suitable in hot climates.

<p>PEARL ICE</p>  <p>Shade factor 6</p> <p>Light transmission 48%</p> <p>Heat transmission 32.5%</p>	<p>SILVER MIST</p>  <p>Shade factor 9</p> <p>Light transmission 17%</p> <p>Heat transmission 22%</p>
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Light transmission of all colours and grades is determined in accordance with AS/NZS 4257.4. The colour representations of Solasafe polycarbonate above are as accurate as the nature of the material and commercial photographic and printing processes allow. It is probable that colour tints may vary between those shown in this brochure.

Level Three Solasafe HR1 has a metallic finish that reflects the heat and gives soft diffused light