

CLEAR

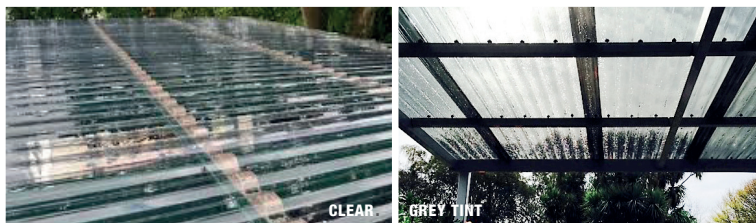
GREY TINT

90%

LIGHT TRANSMISSION

40%

LIGHT LEVEL UNDER SOLAR PRO



## SELECTING THE RIGHT COLOUR

Solar Pro comes in two colours. Clear will offer exceptional light transmission into your outdoor area. Grey tint is excellent for reducing the glare in full sun. Find the ideal solution for your outdoor area.

## ACCESSORIES

### FASTENERS

We recommend self drilling fixing screws to fix your Solar Pro polycarbonate roofing.

This saves approx 50% of installation time as no pre drilling is required. However, recommended fixing advice should be sought by contacting your supplier for installation in very high wind zone areas.

To ensure your roofing project is fitted correctly, you may require a few additional accessories such as flashings and foam.

### EASY INSTALLATION

Solar Pro is easy to install with many fixing options.

- No more pre-drilling means faster and easier installation.
- No extra expense of the specialist tools.
- No extra effort changing tools.

## SAFETY INFORMATION

- Always exercise extreme care when working on a roof. Use walking boards along purlins
- Never walk directly on the sheeting
- Always wear eye protection when using cutting tools
- For safety precautions, Solar Pro recommends the use of safety mesh for installations above 3m
- Solar Pro does not recommend the collection of drinking water from any roof without appropriate precautions and filtration. Check with your local water authority for further advice.

<sup>1</sup> If you require a sheet or flashing length that is not standard, you will need to purchase the next standard length of sheet or flashing.

Eg: If you require a length of 2.0m, you will need to purchase a 2.4m length.

\* Warranty Terms and Conditions Apply

## LIMITED LIFETIME WARRANTY

Cebelio warrants to the original purchaser that its "Solar Pro" Polycarbonate Sheet ("the product"), when installed using recommended procedures, shall perform in accordance with published specifications and shall be free from manufacturing defects under normal household use and conditions. For the purpose of this warranty:

1. Cebelio warrants for a limited period of 10 years from the date of original purchase that the product will not undergo a loss in light transmission in excess of 10% in comparison with the original value when tested in accordance with ASTM D 1003 and thereafter no more than 1% per year for its serviceable lifetime.

2. Cebelio warrants for a period of 5 years from the date of original purchase, that the Solar Pro sheets will offer resistance to hail damage measuring up to 25mm in a diameter. In the event a product fails to comply with the warranty, Cebelio will offer a full replacement of the product.

3. This warranty applies to the material only and does not cover labour costs to re install replacement material.

#### Terms and Conditions

a) The warranty only applies to product that is stored, installed, cleaned and maintained in accordance with Cebelio recommendations;

b) The product is protected on one side with a UV protective layer and the warranty will only apply if the sheet is installed with the UV side facing the sun;

c) The warranty does not apply if loss of light transmission is caused by the use of chemicals, paint, or other substances or the accumulation of dirt or if the product has been abraded, scratched or similarly misused;

d) The warranty is limited to product used solely in domestic applications;

e) The warranty is given to the original purchaser only and cannot be assigned to a third party;

f) All claims made under the warranty must be notified to Cebelio in writing and accompanied by proof of purchase;

g) Any product under warranty claim must be made available for inspection by Cebelio. If Cebelio determines that a claim for warranty is justified, the liability of Cebelio is limited to the supply of replacement sheet. Cebelio shall not be liable for any amount greater than the original price the purchaser paid for the material.



**Extend your outdoor living area with Solar Pro polycarbonate roofing.**

With a Ten Year Limited Lifetime warranty, you can be sure that your Solar Pro roofing will not only look good, it will last.

Designed to withstand harmful UV rays, rain and hailstones\*, Solar Pro is the ideal solution for covering your outdoor area.



- Affordable Polycarbonate Sheet
- 99.9% UV Protection
- Easy Installation
- 2 Stylish Colours
- Solar Pro Polycarbonate is NZBC Fire group classification 1-S meeting changes to building code clauses C1-C6
- Ten Year Limited Lifetime Warranty
- 6 Standard lengths
- Can be cut to length

## TECHNICAL INFORMATION

**Sheet Width:** 840mm

**Cover:** 755mm

**Colours:** Clear, Grey Tint

**Profile:** Corrugate

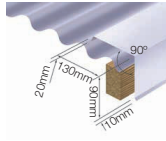
**Lengths:** 1.8m, 2.4m, 3.0m, 3.6m, 4.8m, 5.4m

## POLYCARBONATE FLASHINGS

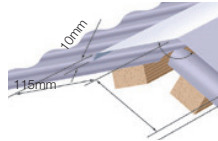
**Tint:** Clear

**Standard Length:** 2.4m

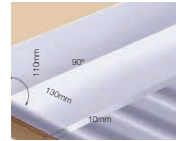
Flashings can be ordered when you purchase your Solar Pro sheeting. They can be cut to length<sup>1</sup>.



**BARGE CAPPING**



**RIDGE CAPPING**



**APRON FLASHINGS**

## FOAM PRODUCTS

Depending on your installation design and location, you may need foam products to ensure your roofing will last and performs the way it is designed to.

### EAVE INFILL STRIP

Prevents rain, dust and wind entering eaves.

**Length:** 975mm

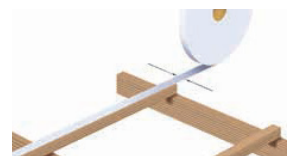
**Colours:** Black or White



### NOISE STOP TAPE

Reduces creaking noises created by your sheeting expanding and contracting as the temperatures outside change.

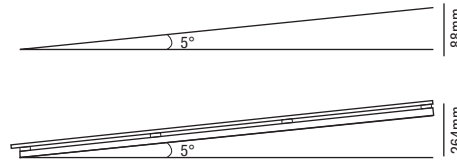
**Length:** 25m



# INSTALLATION

## INSTALLATION INFORMATION

Ensure that your roof pitch is at least 5°, i.e. 88mm rise per lineal metre. **This will ensure adequate water run-off.**



**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.

Ensure the UV surface protected side faces the sun. **This is the side with the adhesive label and ink-jet marking on the edge.** 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.

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.

**Temperature changes** will cause expansion and contraction, allowances for thermal movement is required. Using Noise Stop Tape will reduce the noise created by thermal movement (see foam section for more information). Resistance to movement can cause buckling (see fasteners section in this brochure).

To ensure maximum performance of the sheet, and **to avoid buckling**, it is necessary to oversize the holes and centre fixings.

## FIXING SPACINGS

In normal conditions, use the fixing spacings shown in the table. As a guide you will need approximately 7 fixings per lineal metre. This depends on your purlin spacings and wind conditions. In high wind areas fix the sheet on every second corrugation on each purlin/batten. It is suggested that barge capping be used. Fix the sheet through crests for roofing and through valleys for walls.

- Use 50mm or 55mm fasteners to fasten your Solar Pro roofing sheets.
- For **roof laying**, start with the lower sheets first, keeping side laps away from prevailing wind. Allow an overhang of 50mm.
- **Very High Wind Zones:** Use load spreading profile washers.

PROFILE	END PURLINS	MID PURLINS
CORRUGATE	EVERY 2ND CREST	EVERY 3RD CREST
PROFILE	END SPAN	MID SPAN
CORRUGATE	800MM	1000MM

## PURLIN SPACINGS

For curved structures, the maximum purlin spacing should be 750mm and a minimum radius of 6000mm for corrugate profile. For walls, nogging spacings should be no more than 1200mm.

Use **Noise Stop Tape** on all battens, purlins or noggings to minimise the noises associated with expansion and contraction.

