



HOW TO INSTALL

SOLAR PRO CORRUGATED POLYCARBONATE ROOFING



Extend your outdoor living area with Solar Pro Polycarbonate Roofing. Solar Pro provides protection from the elements and offers protection from UV Rays.

www.cebello.co.nz



WHAT YOU'LL NEED

TOOLS

- Hammer
- Cordless Drill
- Tin Snips (if cutting the sheets to size)
- Measuring Tape
- Marker Pen
- Reciprocating saw

MATERIALS

- Solar Pro Roofing Sheets
- Flashings (if using)
- Self Drilling Solar Pro fixings

Limitation of liability

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BEFORE YOU START

You will need a minimum roof pitch of 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, provide circulation, and minimise condensation.

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

Temperature changes will cause expansion and contraction, allowances for thermal movement is required.

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

MEASURE AND CUT

Measure the length that your sheets need to be. For example, the distance from the house to the end of the pergola, then allow for a 55mm overhang to allow for guttering.

Measure each sheet individually just in case the structure is not parallel.

Transfer your measurement onto a sheet of roofing using a marker pen.

Cut the roofing to length using some tin snips or a fine tooth hand saw.

FIXING AND PURLIN SPACING

FIXING SPACINGS

In normal conditions, use the fixing spacings as shown in the table below.

You will need approximately 7 fixings per lineal metre (depending on your purlin spaces and wind conditions). In high wind areas fix Corrugated and Greca every 2nd corrugation on each purlin/batten. Fix the sheet through the crest using Solar Pro self drilling screws. (55mm for Greca/Corrugate and 65mm for 5-Rib)

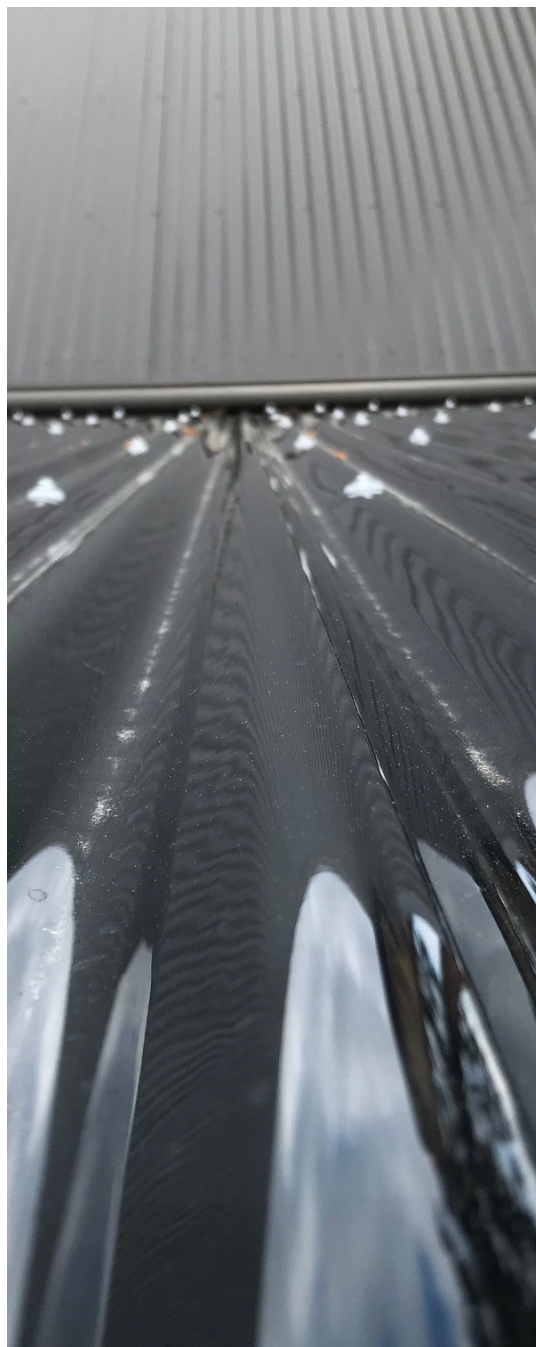
Profile	End Purlins	Mid Purlins
Corrugate	Every 2nd crest	Every 3rd Crest
Greca	Every 2nd crest	Every 3rd Crest
5-Rib	Every crest	Every crest

MAXIMUM PURLIN SPACINGS

For Roofing, **purlin/batten spacings should be no more than those shown in the table below.** For curved structures, the maximum purlin space should be 750mm and a minimum radius of 6000mm for Corrugate and Greca and 14000mm for a 5-Rib profile.

Use noise stop tape on all battens, purlins or noggings to minimise the noise associated with expansion and contraction.

Profile	End Span	Mid Span
Corrugate	800mm	1000mm
Greca	900mm	1200mm
5-Rib	900mm	1200mm



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INSTALLING SOLAR PRO

STEP ONE

Place the first sheet of roofing onto the structure, make sure the roofing is parallel to the rafters. If the sheet was cut ensure the cut side goes against the house, or at the top of the slope if the structure is not attached to the house.

STEP TWO

Starting with the lower sheets first, when the sheet is in place screw (allow for overlap) the sheet into the purlins of the structure. Using Cebelio's self-drilling polycarbonate screws will mean that you don't have to pre-drill any holes, and will save approximately 50% of installation time

STEP THREE

Using the Fixing guide table fix the screws through the crest (high point) of the polycarbonate roofing. You can use a straight edge to mark your screw hole points to make sure they are in a straight line. Ensure you don't screw in the first crest as you need to allow for the overlap of the next sheet. Drill the screw-down just enough so that it doesn't push down the sheet too far.

STEP FOUR

Place the next sheet of roofing, ensuring there is an overlap and that it's in line with the previous sheet. Drill through the overlap and continue fixing the remaining sheets as per the steps above.

SAFETY INFORMATION

- Always exercise extreme care when working on high structures. **Never walk directly on the sheeting.**
- Always wear eye protection when using cutting tools.
- For safety precautions we recommend the use of safety mesh for installation about 3m.
- We don't recommend collecting drinking water from any roof without appropriate precautions and filtration. Check with local water authorities for further advice.

CAUTIONS AND IMPORTANT INFORMATION

To maximise the life of your Solar Pro roofing, Cebelio recommends to avoid exposing your roofing to excess heat from patio heaters. A distance of 1m should be kept between the sheets and the heat source.

IMPORTANT

These instructions are designed to prevent leaking and alleviate the need of sealants. **Sealants, especially silicone, are incompatible with polycarbonate.** They will damage the sheet Use the appropriate flashings and infill strips to help protect your space from weather.