sunclear ultra
polycarbonate roofing

INSTALL sunclear ultra polycarbonate roofing & protect your outdoor living areas from weather and UV

Polycarbonate Roofing

- Manufactured from polycarbonate a very strong and tuff polymer with built in UV coating to not only provide protection for you and your family from the sun's harmful rays that cause sunburn and skin damage, but to protect and prolong the sheets life under the harsh New Zealand sun.
- *Peace of mind Warranty:* Sunclear Ultra Polycarbonate Roofing is warranted under normal usage for 15 years against excessive yellowing of the sheet and the penetration of water due to cracking or splitting of the sheet. Damage from heavy hail up to 20mm in diameter in high winds is covered for ten years. Please contact your nearest Ampelite branch for a full copy of this warranty.
- Available in Clear in a traditional corrugated profile and a range of sheet lengths up to 3.6 metres with an effective sheet cover of 610mm, you can create a great look for your home.
- *Planning:* Sunclear Ultra can be used in many exciting ways around the home. Lightweight and easy to handle and store, projects such as outdoor living areas and carports can be an easy and satisfactory do-it-yourself job and the cost is inexpensive, so it is good value too.
- Our spanning table provides the maximum distance between battens and purlins and our sheet length and sheet coverage table will help you calculate how many sheets you require.

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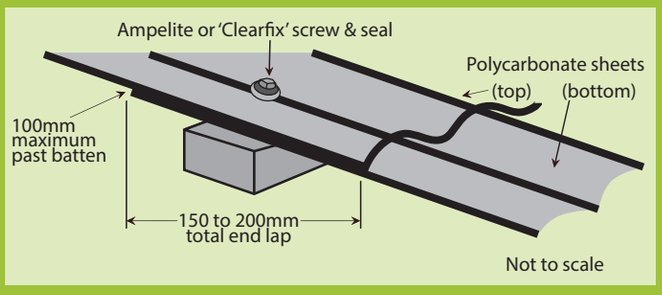
makes light work!

How to install sunclear ultra polycarbonate roofing

'Sunclear Ultra' is fixed and flashed on similar principles to steel roofing. For fixing procedures in high wind areas please contact your nearest Ampelite branch.

1. Start by applying Ampelite Anti-noise tape along the purlins to minimise the noise generated by sheet movement.

2. Corrugated sheets are side lapped by 1 corrugation with the side laps always facing away from the wind and with the UV protected surface facing upwards.



3. If end laps are necessary, the total end lap at the purlins should not exceed 200mm as shown above. If sealing is required only use a co-polymer sealant which is specifically formulated to be compatible with polycarbonate. The use of an incorrect sealant voids the Warranty.

4. To allow for the expansion and contraction of sheets, screw holes must be drilled oversize to a minimum diameter of 10mm. For roofing use the Ampelite 50mm x 10g screws with 25mm grey dome seals and when used for cladding and fencing use the Ampelite 25mm x 12g screws with 25mm grey dome seals.

For an alternative method of fixing, use **Clearfix** combination drill/ cutter and weather-proof seal assemblies. These fasteners self-drill and create a correct clearance hole in the sheet in one operation.

Polycarbonate is best cut with sharp snips, or a power saw fitted with a fine tooth blade designed to cut plastics. Do not use high speed cut-off wheels or similar as they cause melting.

Sheeting Information

SHEET COLOURS / LENGTHS			
PROFILES	COLOURS	LENGTHS (m)	COVER
Corrugated	Clear	1.8, 2.4, 3.0, 3.6,	610mm

SPANNING CAPACITY (BETWEEN PURLINS)		
MAX SPAN	CORRUGATED	900mm
The span between battens and supporters should not exceed the above measurements and have a minimum fall of 5 degrees.		

SHEET COVERAGE TABLE – CORRUGATED GRECA & 5 RIB					
	1 Sheet	2 Sheets	3 Sheets	4 Sheets	5 Sheets
Corrugated	610mm	1220mm	1830mm	2440mm	3050mm

LIGHT & HEAT TRANSMISSION CORRUGATED GRECA & 5 RIB		
COLOUR	LIGHT TRANSMISSION	HEAT TRANSMISSION
Clear	91%	82.5%

Cleaning

Use only a soft brush and soapy water, no abrasives. It is recommended to clean Sunclear Ultra at least once a year, however to prevent possible staining we recommend cleaning when ever bird soil is apparent.

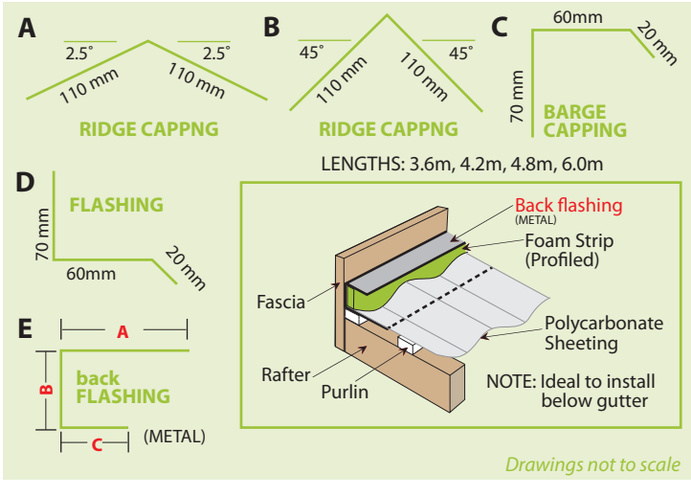
Condensation

Under single skin roofs and especially in cold weather, some condensation is generally unavoidable. Good ventilation will always help minimise condensation.

Storage

Sheets should be stored in cool, sheltered surroundings. Do not place heavy materials on the sheet and always support the 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.

Flashing



End Closure Foam Strip

Corrugated

Anti-noise Tape

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

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