

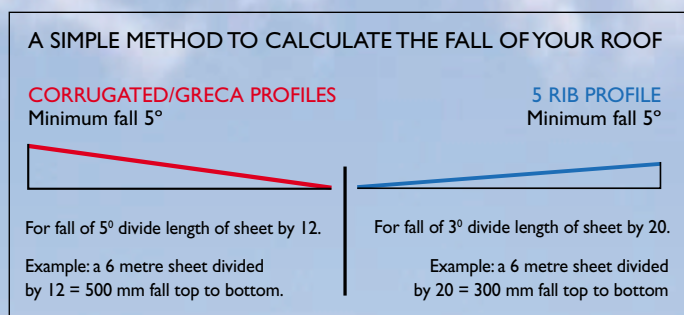
How to install Solasafe

'Solasafe' is intended for **domestic use** and can be used in some industrial and commercial installations. It is fixed and flashed on similar principles to steel roofing.

The fixing procedures in this brochure are based on **normal** weather conditions, for extreme climatic conditions seek advice from your nearest Ampelite branch.

Note: **Minimum recommended fall for corrugated and greca is 5°**, this is approximately 83mm per metre of sheet length. As an example: a 3.6 metre sheet requires a minimum fall of 300mm. With **5-rib profile**, 3° fall is sufficient – over 3.6 metres this is 180mm.

We strongly recommend **using 5-Rib when the roof pitch is minimal**. If insufficient fall is allowed, sheets may sag and leak at the side laps.

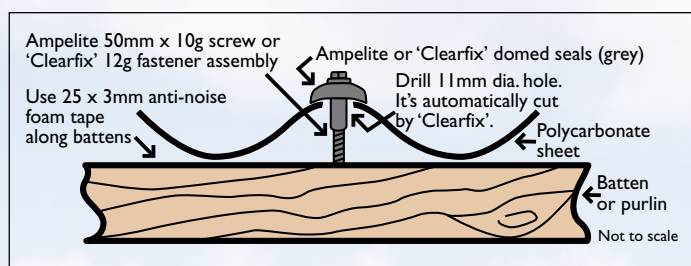


For installation of **polycarbonate sheeting where it is to lap with metal roofing**, please contact your nearest Ampelite branch.

Before fixing sheets apply Ampelite Anti-noise self-adhesive foam tape along the battens or purlins to minimise the noise generated by sheet movement. Start by fixing the first sheet at the end farthest from the usual wind direction.

The side laps then face away from the wind. If end laps are necessary, start laying at a bottom corner. Polycarbonate has UV surface protection on **one** side only; it **must** be installed as directed on the label.

SIDE LAPS. Corrugated profile is side lapped 1.5 corrugations. Greca is lapped 1 rib, but depending on the degree of exposure and weather-proofing required, this can be increased to 2 ribs.



SCREWS, WEATHERPROOF SEALS AND SEALANT.

Roofing sheets are crest fixed, but walls can be valley fixed. It is important to use only 26mm Ampelite grey domed seals, that are chemically compatible with polycarbonate.

If sealing is required at side and end laps, or screw seals, **use a co-polymer sealant specifically formulated to be compatible with polycarbonate. Incompatible sealants weaken the sheeting and their use voids Warranty.**

DRILLING SCREW HOLES. To allow for the expansion and contraction of sheets, holes must be drilled oversize.

Screw holes must have a minimum diameter of 10mm for sheet lengths up to 4.2m. Lengths over 4.2m and up to 6.0m require 12mm diameter holes. To fix corrugated and greca profiles use 50mm x 10g screws and for the 5-Rib profile use 65mm x 12g screws.

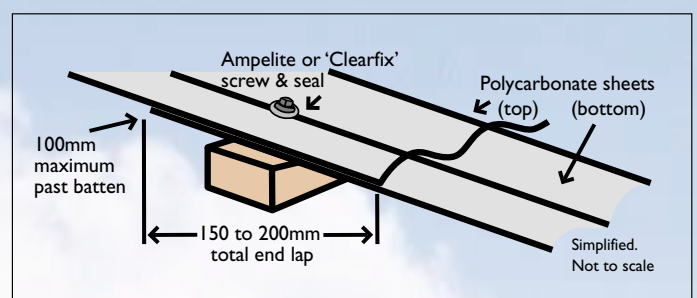
CLEARFIX DRILLING SCREW. An alternative method of fixing which also speeds up installation, is to use self drilling combination drill/cutter and weather-proof seal assemblies.



These fasteners self drill the sheet and create the correct clearance hole in one operation. A very easy, effective method.

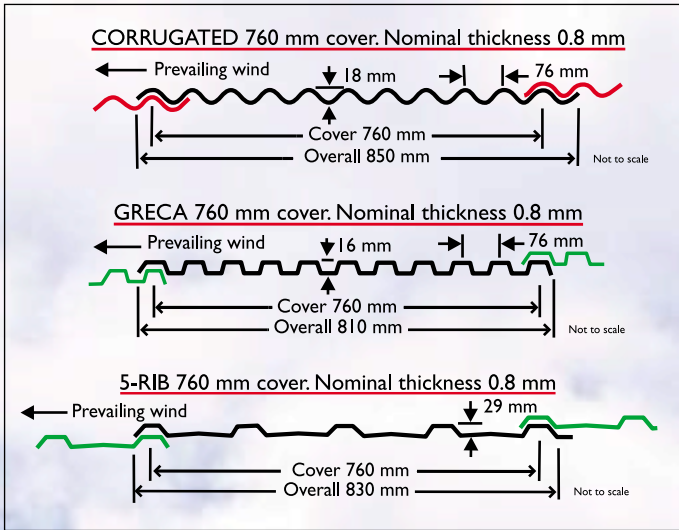
CUTTING OF SOLASAFE SHEET. Polycarbonate is best cut with sharp snips, small cuts can be made with strong, sharp scissors.

If a power saw is used it should be fitted with a fine tooth blade designed to cut plastics. Do not use high speed cut-off wheels or similar as they cause melting.



SPANS, OVERHANG AND END LAPS. Please refer to the Span Tables on the inside pages and do not exceed the measurements shown.

Overhang at the eave must not exceed 100mm and be less in high wind areas. Total endlap at battens or purlins should not exceed 200mm as shown above.

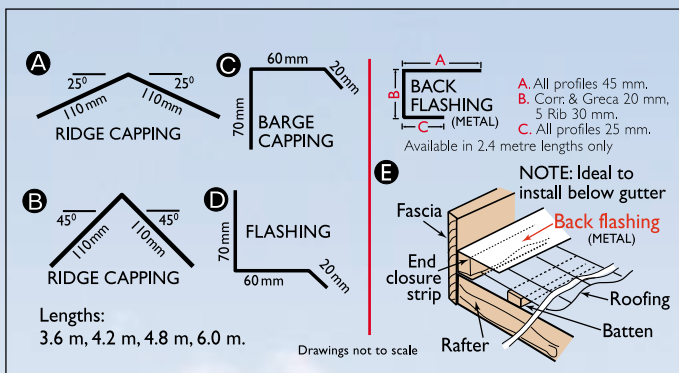


CLEANING. Use only a soft brush and soapy water. No abrasives. We recommend cleaning twice a year and when bird soil and dirt is apparent.

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

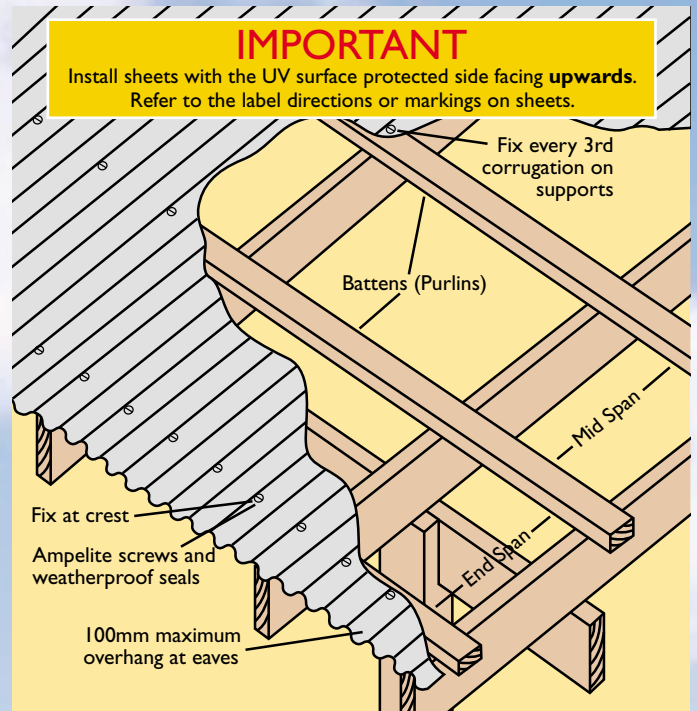
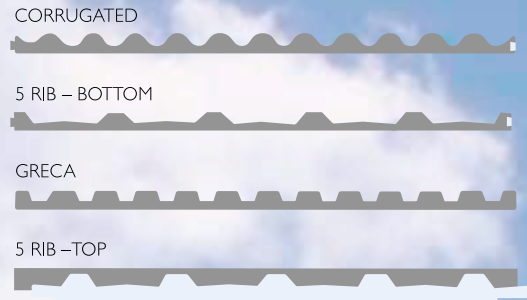
STORAGE. Sheets should be stored in cool, sheltered surroundings. Do not place heavy materials on the sheet. Always support the sheets when moving. Sheeting exposed to sun and rain or stored under tarps etc, can be damaged either by distortion or condensation between the sheets. Damage caused by incorrect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

Capping and flashing

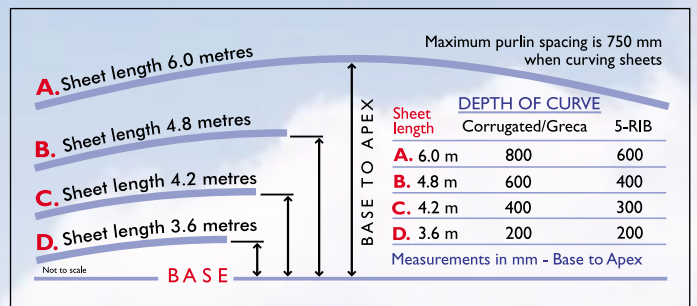


End closure strip and anti-noise tape

We recommend the use of self adhesive foam tape on battens and end closure strips.



Maximum recommended curves



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