



World Class Fibreglass Technology

INSTALLATION INSTRUCTIONS

for

Ampelite **FIBREGLASS** Sheeting

The following installation instructions are as per Ampelite Fibreglass Pty. Ltd. manufacturers recommendations. These recommendations also closely follow the Australian and New Zealand Standard: Design and Installation of Sheet Roof and Wall Cladding, Part 3: Plastic. AS/NZS 1562.3: 1996

Where wire safety mesh is incorporated under the fibreglass sheeting and over a purlin, a protective foam strip must be installed to prevent fracturing. Ampelite provides a 55mm x 6mm purlin tape which, when viewed from below is not visible.

In roofing applications, fixings shall be fitted through the crest of any profile. Oversize screw holes from 10mm up to 15mm Dia. must be drilled at all points of fixing.

32mm 'Weatherlok' seals must be used. These seals are large enough to cover the oversize hole and are sufficiently flexible to contour to any corrugation when medium pressure is applied. Medium pressure means that the 'Weatherlok' seal is contoured to the shape of the corrugation but the corrugation must retain its shape without any sign of buckling.

Contractors must make sure that the fixings are located in the centre of the oversize hole, or the benefit of the larger hole is lost. To ensure accuracy, Ampelite recommends the following.

- Install fibreglass sheeting in the same manner as metal.
- When job is completed, remove fixings on fibreglass section.
- Using the existing screw hole as a guide, drill an oversize hole, swap neoprene washer with 'Weatherlok' seal and reinstall the fixing screw.

Ampelite design and recommend the fibreglass sheets be installed on top of metal on both sides. The sheet can still go over and under if required. This only occurs where end lapping with metal is required, or where fibreglass sheets are installed side by side.

Where fibreglass sheets are end lapped including those with dissimilar materials, 2 lines of Lapseal Tape or a flexible sealant shall be placed across the full width of sheet. Each strip is approximately 150mm apart, with one line placed 25mm from the end of the fibreglass sheet.

Ampelite recommends the use of 25mm Lapseal Tape. Silicone sealants (despite manufacturers assurances to the contrary), will harden and cure due to exposure to daylight. The overlapping sheets are then locked together as one sheet, effectively stopping movement between the sheets. This can possibly cause buckling. With decking profiles it is appropriate to install Lapseal Tape in the tray only.

Fibreglass sheeting is not easily reshaped after manufacture, and will require special weather seals to be provided at all flashing and capping points. Typically, a foam closure strip matching the profile of the fibreglass sheet should be bonded to the pans or valleys with a flexible weatherproof sealant. Ideally it should be fitted at least 100mm behind the turn down of the flashing.

Ampelite translucent sheeting (with the exception of Webglas GC) is a non-trafficable material. Sheets should be handled with care to avoid damage to the surface coating being Melinex film or Gel Coat. Guarantees will not apply to sheeting that has been damaged in handling, or mechanical damage due to foot traffic.

Furthermore, unless the above instructions are strictly adhered to, Ampelite Pty. Ltd. cannot accept any responsibility for consequent leakage problems, caused by sheets buckling or "ocean waving".

*Thank you for purchasing **AMPELITE Fibreglass** Sheeting*
Please contact your distributor for further information