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PRODUCT TECHNICAL STATEMENTS

Includes: Warranty, Installation and Maintenance Information for Solasafe

Solasafe (Polycarbonate) Warranty:

The following benefits are in addition to consumer rights conveyed by government regulations and the Trade Practices Act.

In the event of any claim under this Warranty, the liability of Ampelite (NZ) Ltd (hereinafter titled 'Ampelite') is limited to the replacement or pro-rata replacement of the faulty sheet(s). Such faulty material must be returned freight pre-paid by the purchaser, to the nearest Ampelite branch, together with proof of purchase documents. The product is intended for use in domestic building applications. Costs associated with the removal and refixing of sheets, or any loss, or consequential damage of any kind are not covered by this Warranty. Sheet failure due to incorrect installation, including the use of silicone and sealants other than a co-polymer sealant specifically formulated to be compatible with polycarbonate, or fair wear and tear/abrasion, are not covered by this Warranty.

Ampelite warrant 'Solasafe' polycarbonate sheeting for a LIFETIME against:

1. Excessive discolouration of clear sheets subject to these conditions:

- (a) The test method employed to assess discolouration will be that specified under Determination of Colourfastness AS/NZS4257.7.
- (b) Discolouration caused by atmospheric deposits or dirt, chemical reaction, abrasion and like events, are not covered by this warranty.

2. Light transmission loss of clear and coloured sheets subject to these conditions:

- (a) The loss of diffused light transmission from that of the sheet when new, shall not exceed more than 0.8% per year for lifetime from the date of purchase.
- (b) The test method employed to assess any loss of light transmission will be that specified in AS/NZS4257.4.
- (c) Loss of light transmission caused by atmospheric deposits or dirt, chemical reaction, abrasion and like events, are not covered by this warranty.
- (d) This product is intended for domestic use only and must be installed and cleaned in accordance with Ampelite's recommendations.

Ampelite warrant 'Solasafe' polycarbonate sheeting for a period of 10 years against HAIL DAMAGE:

Fracturing of sheet by hailstones up to 25mm in diameter accompanied by winds up to 75km/hr. Damage caused by the impact of objects other than hail is excluded from this Warranty.

Solasafe Installation:

'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 end lap at battens or purlins should not exceed 200mm as shown above.

Solasafe Maintenance:

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.