

CLASS 1

## Building Product Information Sheet

Product name:

Solasafe

Product line *(the product line from which the product is customised)*:

Solasafe

Product description and its intended use *(measurements, materials, usage)*:

Solasafe sheeting is manufactured from polycarbonate, an advanced polymer with optical and physical properties that cannot be matched by other materials. With impact strength of up to 150 times that of tempered glass, Solasafe polycarbonate sheeting will not be damaged by normal hail. It is easy to handle and install and the corrugated sheets can be curved, so you can create a stylish look.

Solasafe allows natural light in and can be used in places where you still require daylight, such as free standing pergolas, windbreaks, and fencing.



Product identifier *(if applicable)*:

Solasafe

Place of manufacture:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

Brett Martin Ltd

Legal and trading name of the importer *(if applicable)*:

Ampelite NZ Ltd

Address for service:

STREET NAME 79 Captain Springs Road

SUBURB Onehunga

CITY, COUNTRY Auckland, New Zealand

POSTCODE 1061

Website:

www.ampelite.co.nz

Email address:

sales@ampelite.co.nz

Phone No. *(if applicable)*:

0800 267 354

NZBN *(if applicable)*:

9429038523199



## Relevant Building Code clauses:

Clause B2 Durability: Performance B2.3.1

## Statement on how the building product is expected to contribute to compliance:

Past history of use of Ampelite Solasafe products in New Zealand indicate that, provided the product use and maintenance is in line with the guidelines contained in the current literature referenced, Ampelite Solasafe systems can be expected to meet the performance criteria in clause B2 of the New Zealand Building Code.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

## Limitations on the use of the building product:

When installing in extreme wind conditions, please refer to span data or email sales@ampelite.co.nz if the wind loads are beyond the limitations.

Solasafe is not suitable for trafficable areas, where an area is to expect foot traffic, please email sales@ampelite.co.nz for a trafficable product solution.

Must not be installed in direct contact with plastics containing plasticisers



## Design requirements that would support the use of the building product:

Where buildings require a light weight, transparent sheeting solution.

For light and heat transmission information, please refer to the Solasafe Brochure or visit;  
[https://ampelite.co.nz/SolaSafe\\_Sheeting.php](https://ampelite.co.nz/SolaSafe_Sheeting.php).

For areas requiring a long lasting polycarbonate/plastic sheeting. Solasafe holds a peace of mind lifetime warranty under normal usage. For more warranty information please refer to the Solasafe Brochure.

For areas needing protection from UV and heat reduction. Solasafe blocks 99.9% of harmful UV rays with heat transmissions between 82.5% and 38.9%. For more heat transmission information, please refer to the Solasafe Brochure or visit;  
[https://ampelite.co.nz/SolaSafe\\_Sheeting.php](https://ampelite.co.nz/SolaSafe_Sheeting.php).

## Installation requirements:

Solasafe is fixed and flashed on similar principles as steel roofing. For Solasafe profiles Corrugate and Greca, the minimum fall is 5 degrees. For Solasafe 5 rib profile, the minimum fall is 3 degrees. Start by fixing the first sheet at the end farthest from the usual wind direction. If end laps are necessary, start at the bottom corner.

Solasafe is UV-protected on one side only. Please read the label on the sheet before installation and check each sheet label thoroughly to ensure that the UV-protected surface faces the correct way. Sheets incorrectly installed will not withstand weathering and discolouration will result.

When used vertically, face the protected side of the sheet in the direction of the most intensive sunlight or exposure to weather.

If sealing is required at side or end laps, use Ampelite lap-seal tape. Incompatible sealants will weaken the sheeting and void the warranty.

Allowance needs to be made when drilling screw holes so that the sheet can move freely as it expands and contracts. Screw holes must have a minimum diameter of 10mm for sheet lengths up to 4.2m. Lengths over 4.2 and up to 8.1m require 12mm diameter holes.

If cutting of the sheet is required, use a fine-tooth handsaw or a power saw fitted with a masonry type cut-off blade. Support the sheet close to where you are cutting. Ampelite sheeting can be custom-cut to length on order; your supplier can arrange this if required. It is good practice to wear protective goggles when cutting any material with a power tool.

To reduce noise caused by friction, due to expansion and contraction, we recommend using Ampelite Anti-noise tape, a 25mm x 3mm white self-adhesive tape, along the top of battens. Store Solasafe on a flat surface, in a dry area, avoiding contact with chemicals, paints, and solvents.

FOR FULL INSTALLATION DETAILS PLEASE DOWNLOAD A COPY OF OUR INSTALLION GUIDE:

[www.ampelite.co.nz/media/R/Solasafe-Sheet-Installation-Guide.pdf](http://www.ampelite.co.nz/media/R/Solasafe-Sheet-Installation-Guide.pdf)

## Maintenance requirements:

Ampelite Natural Lighting sheets (PVC Polycarbonate and Fiberglass) require a minimum level of maintenance to guarantee their best possible performance.

This maintenance should include, but not be limited to, keeping surfaces clean and free from prolonged contact with debris and moisture. The sheets should be washed at least every 12 months with a soft brush and a mild household detergent, like dish washing liquid to prevent and remove any dirt build up.

Do not use spray-on moss and mould type cleaners, or other cleaners that are left on the surface over time to work. These types of cleaners can damage the surface coatings applied to Ampelite Natural Lighting sheeting, causing early failure.

It is important that Ampelite Natural Lighting sheets are thoroughly rinsed after cleaning to ensure no residue is left on the sheeting.

Avoid chemicals, paint, adhesives and other synthetic materials as this can also cause damage.

Washers and fasteners should be monitored regularly for signs of deterioration. This can help prevent any leak points or staining of the sheeting.

Do not wash with any high-pressure appliance, such as water blasters, as these can also damage the sheeting.



Is the building product/building product line subject to warning or ban under section 26?:

Yes  No

If yes, description of the warning or ban under section 26:

Date:

20/10/2023 | Y | Y