ALSYNITE ONE LASERLITE® SHEETING

BPIR DECLARATION

Version 1.0 November 2024

DESIGNATED BUILDING PRODUCT: Class 1

DECLARATION

Alsynite One NZ Ltd (Alsynite One) has provided this declaration to satisfy the provisions of the Building (Building Product Information Requirements) Regulations 2022.

COMPANY DETAILS

Name	Alsynite One NZ Ltd
Role	Supplier
NZBN	9429046047229
Address	7 De Leeuw Place, Te Rapa, Hamilton 3200
Website	www.alsynite.co.nz
Email	sales@alsynite.co.nz
Phone	0800 257 964

DESCRIPTION OF BUILDING PRODUCT

Alsynite One imports the Laserlite® polycarbonate range of sheeting for use in NZ. The sheets are manufactured by Alsynite One's parent company PT Impack Pratama Industri Tbk (Impack).

Impack has an active sustainability strategy that they report on annually. The company holds several certifications in respect of the quality and sustainability of their products and their manufacturing processes.

Polycarbonates are a group of thermoplastic polymers. They are strong, tough, can be transparent, are resistant to Impack but not to scratching. Polycarbonate softens slowly at 147°C and will melt above 155°C. It can be bent to a greater extent than other plastic sheeting without cracking or breaking.

Laserlite® polycarbonate sheeting is manufactured from Makrolon® resin, a brand name which was first registered in 1955 by Bayer who began commercial manufacture of polycarbonate in 1958.

The Laserlite® polycarbonate range of sheeting has been tested by BRANZ and they have been shown to achieve a material group number of 1 – S.

Alsynite One imports the following Laserlite® polycarbonate sheeting.

Laserlite® 3000, 2000 & 1000

Supplied in

- differing profiles – corrugated, Greca, and 5-rib (1000 & 2000 only)
- range of colours
- differing sheet lengths, and
- sheet width and cover width as follows,
  - corrugated 840 mm/755 mm
  - Greca 810 mm/760 mm
  - 5-rib 830 mm/ 762 mm

For more information on use refer to Laserlite® 3000, Laserlite® 2000 and Laserlite® 1000.

Laserlite® Twinwall

Laserlite® Twinwall, is a multi-layered polycarbonate sheet. It has interconnected channels that create air pockets which in turn provide insulation.

The sheeting is supplied in two thicknesses (6 mm & 8 mm), 1200 mm in width and lengths 1.8 – 5.8 m.

For more information on use.

CONTRIBUTION TO BUILDING WORK CODE OBLIGATIONS

Alsynite One relies on Impack's claims and BRANZ fire testing to make the following claims.

Laserlite® polycarbonate sheeting complies with,

- B1 (structure) B1.3.1, B1.3.2 (a, b, j),
- B2 (durability): B2.3.1(b),
- F2 (hazardous building materials): F2.3.1.

Alsynite One provides only indicative installation information. The specification and installation for site-specific use rests with the designer, installer and building owner. The following building code claims are therefore made on the basis that the performance characteristics of the Laserlite® polycarbonate sheeting product have been reflected in the project-specific specification and installation.

When installed, Laserlite® polycarbonate sheeting will or may contribute to compliance with (as applicable),

- C2 – C6 (protection from fire). Applicable performance criteria
- E2 (exterior moisture). E2.3.1, E2.3.2.

FOR FURTHER INFORMATION

The use, handling and storage of Laserlite® polycarbonate sheeting products must be in accordance with all information supplied by Alsynite One.

For more product specific information refer to the links above.

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm Laserlite® polycarbonate sheeting, as referred to in this statement, are not subject to a warning or ban under s26 of the Building Act.

Signed for and on behalf Alsynite One NZ Ltd:

Steve Foley

Steve Foley
GENERAL MANAGER

November 2024