

ALSYNITE ONE FIBREGLASS SHEETING BPIR DECLARATION

Version 2.0 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	Manufacturer
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 manufactures fibreglass sheets (branded Topglass and Topclad) to AS 4256.3:2006 (R2018) - *Plastic roof and wall cladding materials Glass fibre reinforced polyester (GRP)*. Manufacture is certified by [BSI](#).

Alsynite One has been manufacturing and distributing fibreglass in NZ since 1996. It has been third party certified since 2004.

Fibreglass was first produced in 1936. Since then, the product has been further developed to make it less brittle and to increase performance in areas such as resistance to impact, UV and infra-red light, and fire. It is now recognised as a versatile building product due to its lightweight, inherent strength and weather-resistance properties.

Alsynite One manufactures the following fibreglass products.

Topglass® GC

Fibreglass profiles coated with 130 micron* EXO-SET 206 Premium Gelcoat.

Intended for use in transparent wall or roof applications.

Trapezoidal and corrugate profiles available.

For [more information](#) on use.

Topglass GC Ultra-safe

Fibreglass profiles coated with 130 micron* EXO-SET 206 Premium Gelcoat.

Intended for use in trafficable, transparent roof applications.

Extra impact resistance through increased woven reinforcing within matrix resin. Meets AS/NZS 4040.4:1996, resistance to impact. This means that safety mesh is not required under the sheets.

Trapezoidal and corrugate profiles available.
For [more information](#) on use.

Topglass GC SPF4 & SPF8

Fibreglass profiles coated with 130 micron* EXO-SET 206 Premium Gelcoat with additional super violet power that gives the sheeting resistance to infra-red and UV light.

SPF4

- visible light transmission 64%,
- total solar transmission 50%.

SPF 8

- visible light transmission 49%,
- total solar transmission 36%.

Intended for use in transparent roof applications.

Trapezoidal and corrugate profiles available.

BRANZ fire test material group 3.

For [more information](#) on use.

Topglass GC FR50

Fibreglass profiles coated with 130 micron* EXO-SET 206 Premium Gelcoat.

A fire and smoke retardant fibreglass, achieved through the use of a resin with these fire-related characteristics (glass fibres do not burn).

Intended for use in transparent roof applications.

Trapezoidal and corrugate profiles available.

BRANZ fire test material group 3.

For [more information](#) on use.

Topclad GC

Fibreglass profiles coated with 130 micron* EXO-SET 206 Premium Gelcoat with a solid colour pigment added to the Gelcoat.

Intended for use in roof applications where the properties of fibreglass are required without the standard level of translucence.

Extra impact resistance through increased woven reinforcing within matrix resin. Meets the impact strength tests (AS/NZS 4040), safety mesh not required under the sheets.

Trapezoidal and corrugate profiles available.

For [more information](#) on use.

TwinSkin System

Formed from two independent layers of Topglass® which forms an effective air gap is created between the two layers.

This manages condensation and reduces exterior noise transmitting through to the interior and reduces internal heat build-up which providing diffused light to the interior.

Intended for use in roof applications but is not suitable to support foot traffic and safety mesh must be installed under the panels.

Trapezoidal and corrugate profiles available and manufactured to side-lap these steel roofing profiles.

For [more information](#) on use.

CONTRIBUTION TO BUILDING WORK CODE OBLIGATIONS

Alsynite One relies on compliance with AS 4256.3:2006 (R2018) and BRANZ fire testing to make the following claims.

Topglass and Topclad sheets comply 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 Alsynite One fibreglass product have been reflected in the project-specific specification and installation.

When installed Topglass and Topclad sheets will contribute to compliance with (as applicable),

- B1 (structure). B1.3.1, B1.3.2 (a, b, f, g, h, j)
- B2 (durability). B2.3.1(b)
- C2 – C6 (protection from fire). Applicable performance criteria
- E2 (exterior moisture). E2.3.1, E2.3.2.

FOR FURTHER INFORMATION

The scope of use, handling and storage of Alsynite One Topglass and Topclad products must be in accordance with all information supplied by Alsynite One.

Refer above for links to the product specific information.

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 Alsynite One fibreglass sheeting, as referred to in this statement, is 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