



Introduction

Topglass® FR50 is designed and supplied as a fire and smoke retardant natural lighting system for use in commercial and industrial buildings. This type of resin system alters the flammability point of the sheeting; however it should be noted Alsynite One supplies all GRP sheeting in this brochure as natural lighting/cladding products only.

NEW - 150 Micron Surface Protection. All Topglass® Gel-Coat products with EXO-SET GC now incorporate an additional 20 Micron UV Stabilized Film on top of the GC resin to further increase the surface protection of the sheeting.

Key Benefits

- Reinforced polyester fire retardant sheeting that has been specifically formulated using fire retardant materials for use in commercial building applications and educational institutions.
- Glass reinforced polyester fire retardant sheeting that can be considered into building designs that specifically require reduced ignitability, flame propagation and heat and smoke release over conventional resin systems.
 - Combustible areas with high fire risk
 - Where egress from a building in the event of fire may be restrictive

Applications

- Schools and educational institutions
- Public assembly areas

Special Applications

Contact Alsynite One NZ Ltd for advice on more advanced fire and smoke retardant resin systems.

Surface Coatings

Topglass® FR50 is supplied with the Alsynite One's 130 micron* Exo-Set 206 SPF enhanced Gelcoat system. Topglass® FR50 is supplied as a translucent roofing product and is now available and offers increased solar values as can be experienced with Topglass® GC Opal, the Opal Enhancement stabilises the products appearance offering increased weather surface stability in colour retention than previously experienced. 150 Micron Total protection.

Safety

To comply with the requirements of AS 1562.3: 2006 Part 3 Plastic, translucent roofing products are classified as "Brittle Roofing" and therefore not suitable to support foot traffic. With exception of Topglass® GC Ultra-Safe. Safety mesh should be installed under all translucent roofing.

Specification

The Translucent roofing shall be Topglass® FR50 reinforced Polyester roof sheeting as manufactured by Alsynite One NZ Ltd and is JAS-ANZ Certified. The sheeting shall be measured in g/m² or mm (sheet thickness) and manufactured to conform to the nominated roofing and cladding profile. Installation shall be carried out in accordance with the requirements of AS 1562.3: 2006.

Profiles

Topglass® FR50 is available ex stock in a limited number of roofing profiles.

WARRANTY

Topglass® FR50 is supported by a comprehensive 25 year warranty and a 20 year light transmission warranty. For written project warranties, contact Alsynite One NZ Ltd.



* Nominal Thickness 130 Micron.