

# Topglass 50 FR Plus

Fire Retardant Translucent Roofing



TOP GLASS® 50 FR PLUS, PROFILE: MULTISPAN

## Introduction

Topglass® 50 FR Plus 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 supplies all GRP sheeting in this brochure as natural lighting/cladding products only.

Please refer Page 3 Venting of Fire, for alternative mechanical smoke and heat venting systems.

## Key Benefits

- Topglass® 50 FR Plus is a glass reinforced polyester fire retardant sheeting that has been specifically formulated using fire retardant materials for use in commercial building applications and educational institutions.
- Topglass® 50 FR Plus is a 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.

## Applications

- Schools and educational institutions;
- Public assembly areas;
- Combustible areas with high fire risk;
- Where egress from a building in the event of fire may be restrictive.

## Special Applications

AWTA Test Report Number 7-550697-CO to AS/NZS3837 contained in this literature refers to Topglass® 50 FR Plus. Contact Alsynite NZ Ltd for advice on more advanced fire and smoke retardant resin systems.

## Surface Coatings

Topglass® 50 FR Plus is supplied with a superior weather surface coating containing inbuilt UV inhibitors offering improved serviceable life. In specific applications and where minor corrosion may affect the underside of the

sheeting, an Alsynite NZ Proprietary high sheen corrosion resistant surface can be supplied in place of standard polyester film.

## Colours

The standard colour of Topglass® 50 FR Plus is yellow/clear. Opal pigment can be incorporated where specific heat and light transmission is required.

## 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 (see page 10). Safety mesh should be installed under all translucent roofing.

## Specification

The Translucent roofing shall be Topglass® 50 FR Plus (Insert tint/colour/grade) reinforced Polyester roof sheeting as manufactured by Alsynite NZ Ltd to comply with AS 4256.3: 2006 JAS-ANZ Certification Licence No. 2349. The sheeting shall be measured in g/m<sup>2</sup> or mm (sheet thickness) and manufactured to conform to the nominated roofing and cladding profile (refer to Technical Information, page 23). Installation shall be carried out in accordance with the requirements of AS 1562.3: 2006, Topglass® technical literature and Alsynite NZ Technical Catalogue.

## Profiles

Topglass® 50 FR Plus is available ex stock in a limited number of roofing profiles. Contact Alsynite NZ Ltd for further information.

## WARRANTY

Topglass® 50 FR Plus is supported by a comprehensive 25 year warranty and a 20 year light transmission warranty. For written project warranties, contact Alsynite NZ Ltd.



## Test Reports

**AWTA Textile Testing:** Test report No. 7-550697-CO to AS/NZS3837 (Clone Calorimeter) and Test report No 7-487161-CO to AS/NZS 1530.3 (Fire indices) are available from the Alsynite NZ Technical Catalogue.

**AWTA Textile Testing:** simultaneous determination of ignitability, flame propagation, heat and smoke release to AS/NZS1530.3: 1999 can be viewed in the Alsynite NZ Technical Catalogue.

10 Clone Calorimeter testing to AS/NZS 3837: 1998