



# Topglass SPF

Solar control gel-coated translucent roofing



## Introduction

A revolutionary and innovative Gel-Coated Translucent roofing product developed by Alsynite NZ Ltd and aptly named Topglass and SPF 8 utilises a unique compound similar to that used in the design and manufacture of modern sunglass eyewear.

Topglass SPF Translucent roofing product uses this technology to differentiate between Infra-Red (heat) and visible light transmission and then absorbs and reflects the heat away from entering the structure whilst continuing to provide maximum light transmission.

## Key benefits

- Provides maximum visible light transmission whilst preventing unwanted solar transmission into a building,
- Energy savings, reduces the need for artificial lighting, and air-conditioning
- Virtually eliminates harmful UVA and UVB ultra violet rays from entering a building
  
- Long term effective light transmission
- Excellent product warranties
- Topglass SPF is certified to AS/NZS 4256:3.1994

## Applications

- Food manufacturing buildings
- Warehouses and retail outlets storing food and fresh produce
  
- Shopping centres and supermarkets
- Bulk Paper stores
- Temperature sensitive environments requiring high quality long-term natural light



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## Product variations

A number of pigment variations can be achieved, however standard products are: Topglass SPF 4 and Topglass SPF 8. Please refer to the chart below for individual performance criteria.

Product	VisibleLight Transmission	Total Solar Transmission
Topglass GC SPF 4	64%	50%
Topglass GC SPF 8	49%	36%

## Weather Surface Coating

Silmar 100 micron gel coated weather surface

## Operating temperature

The operating temperature of Topglass SPF is -20° C to + 90° C

## Fire Retardant

Topglass SPF can be supplied in varying Fire Retardant grades

## Trafficability

Where there is a likelihood of a person walking on Topglass SPF, contact FGW for specific technical advice

## Roof profiles

Topglass SPF 4 and SPF 8 are manufactured to match all commonly available roofing and cladding profiles, including flat sheet

## Severe corrosive environments

- In areas where corrosion is severe, Topglass SPF can be manufactured incorporating special purpose Vinyl-Ester Resin
- Where internal corrosion exists such as indoor swimming pools, a proprietary corrosion resistant and high polished reverse side surface can be supplied

## Warranty

Topglass SPF is supported by project specific warranties pertaining to loss of light transmission and degradation for periods for up to 25 years. Please contact FGW for further information



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## Weight/Thickness of sheeting

- Topglass SPF Products are manufactured in varying sheet thickness as follows:

Roof and cladding profiles : 1200g/m2 (0.9mm) - 4880g/m2 (3.06mm)

Flat sheet : 1800g/m2 (1.1mm) - 4000g/m2 (2.7mm)

## Sheet lengths

As Topglass SPF Products are manufactured in Perth, Western Australia, all roofing profiles can be manufactured up to 25 metres thereby ensuring the elimination of end laps.

## Load Span capabilities and Installation Instructions

Full information is contained in the Topglass Technical literature, FGW Technical catalogue and FGW Website

## Specification

The translucent roofing shall be Topglass SPF 4 - SPF 8 (delete one) gel coated natural lighting system, and as manufactured by FGW Corporation to comply with AS/NZS 4256:3.1994.

The sheeting shall be .....g/m2 or.....mm and manufactured to conform with the nominated roofing and cladding profile. Installation shall be carried in accordance with the requirements of AS/NZS 1562.3:1996. and FGW Corporation Technical catalogue.

July 2007

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