

Topglass SPF

Solar Protective Gel-coated Natural Roof Lighting



Introduction

A revolutionary and innovative Gel-Coated Translucent roofing product recently developed by Alsynite NZ Ltd and aptly named Topglass SPF 4 and SPF 8 - *Solar Protection Feature*.

Encompassing a unique manufacturing process similar to that used in the design and manufacture of modern sunglass eyewear, Topglass SPF Solar control roof lighting, selects and singles out Infra Red (heat) plus harmful Ultra Violet rays, thereby preventing heat build-up and UV damage to Stock and Plant.

Key Benefits

- Provides maximum visible light transmission whilst preventing unwanted solar transmission into a building,
- Reduces energy and air-conditioning costs along with the need for artificial lighting
- Virtually eliminates harmful UVA and UVB ultra violet rays from entering a building
- The sheet is aesthetically unique, providing innovative design characteristics for building designers
- Long term effective light transmission
- Excellent product warranties

Product variations

Product	Visible light transmission	Total solar transmission
Topglass SPF 4	52%	41%
Topglass SPF 8	46%	34%

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 lighting.

Safety

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

Roof profiles

Topglass SPF 4 and Topglass 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 corrosion resistant and highly polished reverse side surface can be supplied.

Weather surface coating

100 micron* gel-coated weather surface.

Operating temperature

The operating temperature of Topglass SPF is -30°C to +70°C.

Warranty

Topglass SPF is supported by a comprehensive 25 year warranty. For written project warranties contact FGW Corporation Pty Ltd.

Weight of sheeting

Topglass SPF products are manufactured in varying sheet thickness as follows:
Roof profiles: 1800g/m² to 3660g/m²
Flat sheet: 1800g/m² to 4000g/m²

Specification

The Translucent roofing shall be Topglass SPF 4 - SPF 8 (delete one) gel coated natural roof lighting system as manufactured by FGW Corporation Pty Ltd to comply with AS/NZS 4256.3 1994. The sheeting shall beg/m² ormm and manufactured to conform to the nominated roofing and cladding profile. Installation shall be carried out in accordance with the requirements of AS/NZS 1562.3: 1996, Topglass® technical literature and FGW Corporation Technical Catalogue.

Test report

Full Vipac test report on single skin and twin-skin SPF 4 and SPF 8 is available on request.