

GELCOATED TRANSLUCENT ROOFING



Introduction

Topglass® GC is the flagship of the Topglass® natural lighting family of products, and uses an innovative manufacturing process developed by Laserlite Building Products, whereby a 100 micron* EXO-SET 206 Premium Gelcoat is applied to the weather surface of the sheeting.

Offering exceptional resistance against corrosive atmospheres and providing protection against solar deterioration, Topglass® GC brings additional benefits to building designers and owners. Topglass® GC can also be supplied in solid colours providing an excellent alternative to metal roofing and cladding systems in corrosive environments.

Key Benefits

- Manufactured from an acrylic modified polyester resin system and incorporating additional ultra violet stabilisers, Topglass® GC utilises antistatic high-quality glass fibre rovings to give maximum strength during the curing and bonding process
- The ultimate benefit of the Topglass® GC product over general purpose grades of GRP, natural roof lighting products is the addition of Laserlite Building Products' UV-stabilised 100 micron* EXO-SET 206 Gelcoat surface which is a reactive thermo-set to provide a high gloss surface
- Topglass® GC, which is manufactured to meet the requirements of AS 4256:3.2006, is economical and provides flexibility whilst resisting UV degradation and yellowing much longer than is commonly experienced with general purpose grade translucent roofing products
- Harmful UV Rays remain a major concern for today's building designers. Topglass® GC can be supplied in a variety of pigments and can be supplied as Topglass® GC SPF. This innovative Gelcoat additive provides excellent UVA and UVB block and offers exceptional heat and light data

Applications

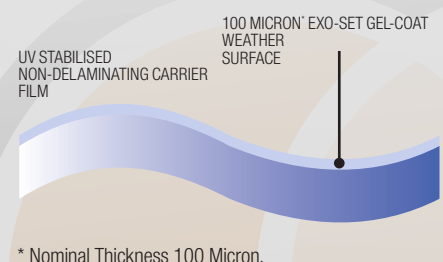
- Roof and wall lighting to all commercial, industrial, institutional and other buildings requiring long term natural lighting without early surface degradation
- School/Childcare Centres and public outdoor areas requiring good UV protection

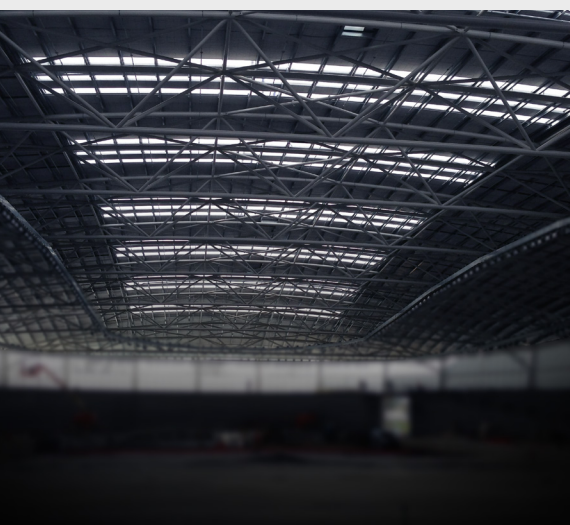
Special Applications

- Topglass® GC can be pigmented to meet varying light and solar transmission requirements;
- Heavy-duty solid colour-fast roofing and cladding can be supplied to replace traditional roofing and cladding products for use where corrosion exists.

Surface Coatings

- The Laserlite Building Products 100 micron* EXO-SET 206 Premium Gelcoat weather surface used in the manufacture of Topglass® GC gives very good protection against solar deterioration. The reverse side of the sheeting is protected with a 20 micron UV stabilised Polyester film. Where corrosive atmospheres exist which affect the underside of the sheeting, Laserlite Building Products Topglass® GC can be supplied in place of the film.





Colours and Tints

Topglass® GC is available in standard colours of Clear, Opal and TopCool. Other colours to suit specific design criteria are available on request. MOQ may apply for non-standard colours.

Operating Temperature

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

Noise Reducing Sheeting

Topglass® GC can be supplied as an effective noise-reducing sheeting. See: Topglass® Twinskin Systems and Triple Skin Systems.

Fire Retardant

Topglass® GC can be supplied as fire retardant sheeting. See Topglass® FR50.

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.

Severe Corrosion Environments

In areas where corrosion is severe, Topglass® GC can be manufactured using a special purpose Vinyl Ester corrosion-resistant resin system.

Specification

The Translucent roofing shall be Topglass® GC reinforced Polyester roof sheeting as manufactured by Laserlite Building Products to comply with AS 4256.3: 2006 JAS-ANZ Certification Licence No. 2349. The sheeting is 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.

Warranty

25 Year Warranty. Terms and Conditions apply.

Visible Light and Solar Transmission						
	Colour					
Weight	Clear		Opal		TopCool	
	Light	Solar	Light	Solar	Light	Solar
2400g/m ² (1.5mm)	74%	65%	58%	49%	33%	22%
3660g/m ² (2.5mm)	62%	58%	47%	40%	n/a	n/a

Light and Solar transmission information is issued as a guide only and based on interpretation of natural exposure testing.