## **GELCOATED** TRANSLUCENT ROOFING

# 🔘 Topglass GC



## Introduction

Topglass<sup>®</sup> GC is the flagship of the Topglass<sup>®</sup> natural lighting family of products, and uses an innovative manufacturing process developed by Laserlite Building Products, whereby a 100 micron<sup>\*</sup> 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<sup>®</sup> GC brings additional benefits to building designers and owners. Topglass<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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 todays building designers. Topglass<sup>®</sup> GC can be supplied in a variety of pigments and can be supplied as Topglass<sup>®</sup> 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

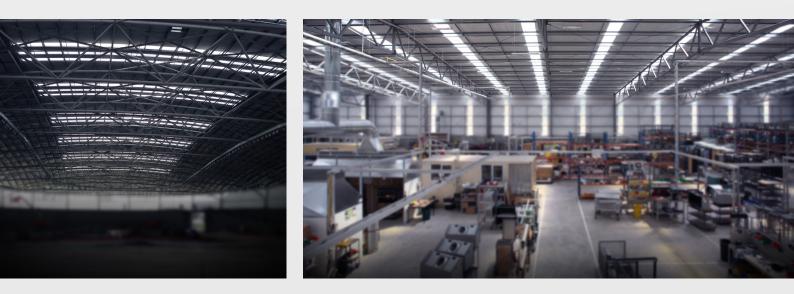
## **Special Applications**

- 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<sup>®</sup> 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<sup>®</sup> GC can be supplied in place of the film.





## **Colours and Tints**

Topglass<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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/m<sup>2</sup> 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 <sup>2</sup> (1.5mm)	74%	65%	58%	49%	33%	22%		
3660g/m <sup>2</sup> (2.5mm)	62%	58%	47%	40%	n/a	n/a		

LISED AMINATING FILM	100 MICRON' E GEL-COAT WE SURFACE	

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

Nominal Thickness 100 Micron.

UV STAB NON-DEI CARRIEF