




# Topglass UltimaGel<sup>®</sup>

Natural Roof Lighting-High resistance against weathering and solar deterioration

- 99% UV Reection
- 100 Microns gel coating
- Longer lasting colour
- Ultimate UV Abocorber by UVAS<sup>+</sup>
- 25 Years warranty

PROJECT REF.



 Topglass UltimaGel <sup>®</sup>		
WATER PENETRATION	LIGHT TRANSMISSION	NON FIBRE SHOW
<b>25</b>	<b>20</b>	<b>10</b>
<b>YEARS</b>	<b>YEARS</b>	<b>YEARS</b>





Produced



Brand



## Company Profile

Company Profile A desire to lift the quality of translucent roofing products throughout Asia by adopting the very latest in FRP manufacturing technology was paramount in I-Cons Asia Co., Ltd.'s decision to use the expertise of New Zealand technology and it's globally respected expertise for the design, construction and commissioning of our ultra-modern Thailand Manufacturing facility in 2007.

Whilst it is recognised that there were other FRP sheet manufacturers, it became obvious that our company could demonstrate superior and advanced FRP technology, quality expertise and global Topglass Brand Strength, ultimately meeting our quality-focused objectives. As a result of this significant investment, our company will assume a market leading position of manufacturing and supplying Topglass Natural Lighting products using the New Zealand technology resin and weather surface coating systems, bringing improved translucent sheeting products and warranties to our customers within the global arena.

## Background



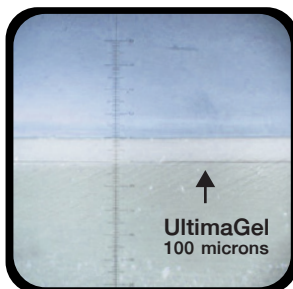
It is a well-known fact that FRP roofing sheets has 2 underlying issues

- Colour changes resulting in yellow quickly
- Surface Failure ( fiber release from the surface )

Both the above results in lowering of light transmission over time

## Topglass UltimaGel®

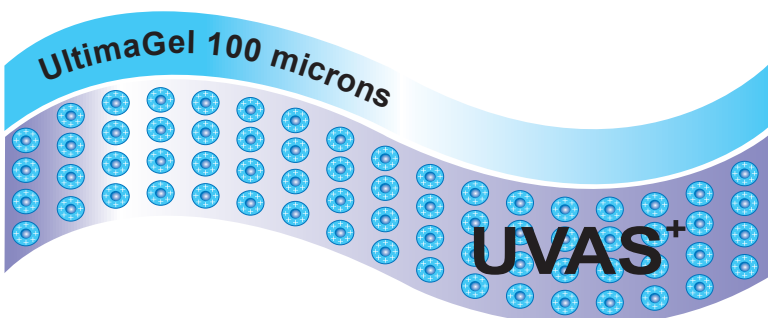
Topglass UltimaGel® is a utilizing an innovative manufacturing process developed by CHP Technology, whereby UltimaGel 100 microns Gelcoat exclusively developed for Topglass is applied to the weather surface of the sheeting. Having 100 microns thick coating offers exceptional resistance against corrosive atmospheres, and providing protection against solar deterioration that will result in glass fiber showing.

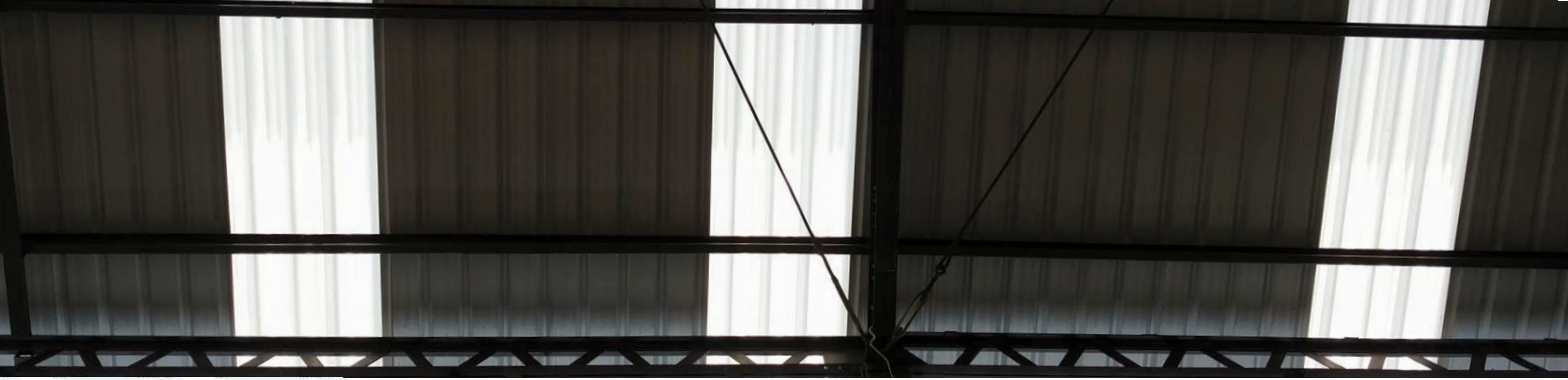


CHP Technology With Thermo-setting

## Key Benefits

- UltimaGel 100 micron gel-coated surface provides a longer life for light transmission and prevent glass showing;
- UltimaGel gel-coated surface, which is reactive thermo-set to provide a high gloss surface.
- Topglass UltimaGel®, which is manufactured to meet the requirements of AS 4256:3.2006; resist UV degradation and yellowing much longer than is commonly experienced with general purpose grade translucent roofing products;
- Topglass UltimaGel® can be supplied in a variety of pigments and can be supplied as Topglass UltimaGel®. This innovative gelcoat additive provides excellent UVA and UVB block and offers exceptional heat and light data (refer individual brochure);





## Product

### Visible Light and Solar Transmission

Colour : Opal  
 Weight : 2400 gsm.  
 Light Transmission : 55%  
 Solar Transmission : 44%



Colour : Clear green  
 Weight : 2400 gsm.  
 Light Transmission : 75%  
 Solar Transmission : 64%



## Certification

I-Cons Asia Co., Ltd. takes particular pride in its JAS-ANZ Certification under the Benchmark Certification scheme. Recognised in over 90 countries and providing security in every respect to customers, JAS-ANZ certification not only guarantees accurate systems process, and unlike other Quality Standard schemes, JAS-ANZ Certification also has the added advantage of ensuring our customers always receive consistent and monitored quality product, legally certified to AS/NZS 4256. Parts 1 and 3. Being a manufacturer in the Kingdom of Thailand, I-Cons Asia Co., Ltd. is also a certified manufacturer of FRP by the Thailand Industrial Standard certification body obtaining the TIS 612-2549 (2006) for Glass Fibre Reinforced Polyester Sheets. Like the JAS-ANZ certification this also ensures that all products have traceability all the way from each raw material through each step of process to finished goods.



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