

 **Topglass® GC Ultra-Safe**

HIGH IMPACT, CORROSION RESISTANT GLASS REINFORCED ROOFING AND CLADDING



WARRANTY  Topglass GC Ultra-Safe		
WATER PENETRATION	LIGHT TRANSMISSION	NON FIBRE SHOW
30 YEARS	25 YEARS	25 YEARS



- Trafficable FRP where safety wire mesh below FRP is not available
- Meets impact strength requirement specified by AS/NZS 4040.4:1995
- Climatex Gel Coating 100 microns coating thickness
life time non-fibre surfacing
- Ultimate UV Absorber by UVAS⁺ new generation
nano ultra-violet absorber
- 30 Years warranty



Company Profile

Inno-Cons Co., Ltd. in Thailand has been a market leader in supplying roofing products to the construction market since its inception more than 25 years ago. Through our dedication in Innovation of Products, Sales & Marketing, Services and Quality, Inno-Cons strive to always bring values and the latest in construction technology to our customers.

This gave birth to I-Cons Asia Co., Ltd. almost 15 years ago when we searched to lift the quality of translucent roofing products throughout Asia and found by adopting the very latest in FRP manufacturing technology with our ultra-modern Thailand Manufacturing facility in Rayong.

As a result of this significant investment, our company had assumed a market leading position of manufacturing and supplying Topglass® Natural Lighting products using our proprietary resin and weather surface coating systems, bringing improved translucent sheeting products and warranties to our customers within the global arena.

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 3.

Background

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

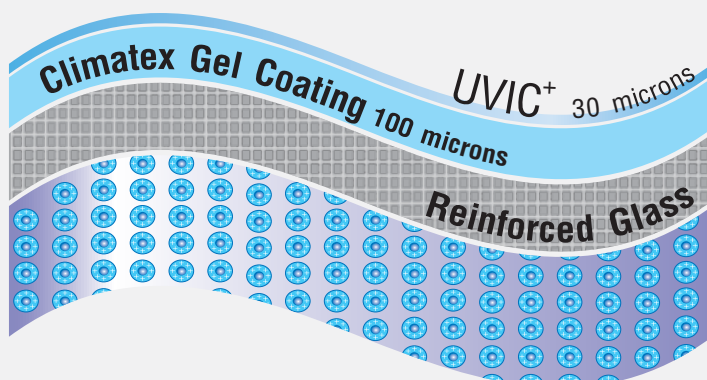
- Colour changes resulting in yellowing quickly
- Surface Failure (fibre release from the surface) Both the above results in lowering of light transmission over time



Topglass GC Ultra-Safe

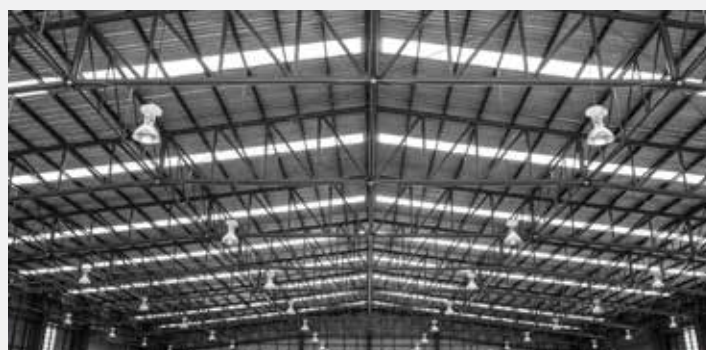
Where there is a possibility of FRP translucent fiberglass roofing sheets posing a danger to foot traffic on the roof or a possibility of not being able to install safety netting under the FRP translucent fiberglass roofing sheets, I-Cons Asia had jointly developed a heavy duty and high impact roof lighting system to alleviate these concerns.

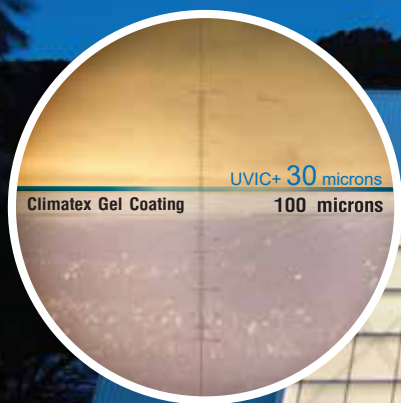
Aptly named Topglass GC Ultra-Safe, the product utilises a heavy duty, woven roving reinforcing system positioned within the resin matrix, thereby providing exceptional strength. This made Topglass GC Ultra-Safe trafficable after meeting the impact strength tests of AS 4256.3 clause 11.3, AS 4040.4:1996



Applications

- Educational facilities and Public Assembly areas where there is a danger of persons climbing onto a roof.
- Fertilizer Plants.
- Chemical and Powder-coating Plants.
- Wastewater treatment plants.
- Salt Extraction Facilities.
- Saver marine environments.
- Natural roof lighting where safety mesh is not installed.
- Wood, Pulp and Paper Plants.





PROJECT REF.



Product

Light and Solar Transmission

Tint	Visible Light Transmission	Solar Transmission
Opal	45%	30%
Clear Green	60%	53%

Weight/Thickness of sheeting

Topglass GC Ultra-Safe is supplied as standard weight of 3660g/m2 (2.5 mm)



Safety

Whilst Topglass GC Ultra-Safe is classified as heavy duty, meets the impact test of AS 4040, satisfying the requirements of AS 4256.3, and can support foot traffic, long term degradation and or post roof installation impact damage can seriously affect the performance of the sheeting. In order to comply with the requirements of AS 1562.3:2006 Part 3 Plastic, protect the weather surface coating and provide continual structural strength, all FRP products should be protected from foot traffic, therefore a suitable proprietary aluminium walkway is always recommended.

Certifications



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Load Span Capabilities		คิดที่การรับน้ำหนัก (แรงลม 1.5 kPa) ระยะห่างแป (Span Distance)		Curved roofing minimum Drape curve radius (mm.) รัศมีดัดโค้งที่ดัดได้ (มิลลิเมตร)	
Grade	Sheet thickness Profile (to match)	1800g/m2 1.2 mm	2400g/m2 1.5 mm	1800g/m2 1.2 mm	2400g/m2 1.5 mm
WMI 24-760 SS		1200 mm	1500 mm	9000	9000
WMI 38-750 S		1200 mm	1500 mm		18000
KL700		1200 mm	1500 mm		18000
TD65DS		1200 mm	1500 mm		25000
WMI 60-750		1200 mm	1500 mm		25000
SPU 50-740		1200 mm	1500 mm		20000
V650 JJ			1800 mm		45000
MKS700P			1800 mm		30000
ZIDEK 400			1800 mm		60000

For all other profiles contact I-Cons Asia Co., Ltd.

Your distributor is :

I-Cons Asia Co., Ltd. Utilises test bed facilities in providing Load Span capability information with tests carried out to replicate design loadings in excess of 2.0 kPa. Due to the vast amount of roofing profiles available worldwide, in some cases extrapolation is used to provide spanning capabilities. The information contained in the chart is relative to intermediate purlins only and where the translucent roof sheet is used in single runs and supported by the metal roofing and cladding at each side lap. Profile spanning can be increased by installing a mid span support, and/or increasing the weight/thickness of the sheet. It is important that purlins spacing be reduced for curved structures, and Inno-cons (Thailand) Co., Ltd. should be consulted for specific design information. NB. Kliplok®, Trimdek® and Spandek® are registered Trademarks of Bluescope Steel Limited.



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