



 **Topglass® GC SPF Hybrid**

# REDUCE HEAT

NATURAL ROOF LIGHTING-HIGH  
RESISTANCE AGAINST WEATHERING  
AND SOLAR DETERIORATION

- Reduced Heat Gain by almost 40% compared to normal fiberglass
- Reflect solar transmission by almost 100% compared to normal fiberglass
- saves energy cost
- Climatex Gel Coating 100 microns coating thickness
- life time non-fibre surfacing
- 30 Years warranty

WARRANTY  Topglass® GC SPF Hybrid		
WATER PENETRATION	LIGHT TRANSMISSION	NON FIBRE SHOW
<b>30</b>	<b>25</b>	<b>25</b>
<b>YEARS</b>	<b>YEARS</b>	<b>YEARS</b>





## 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

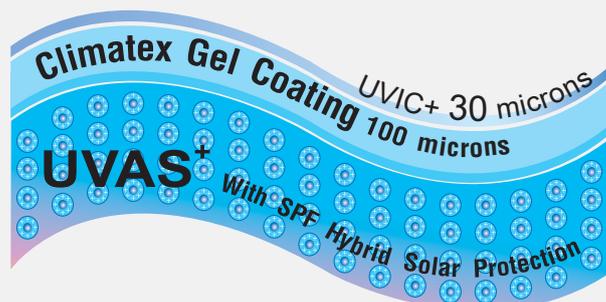
It is a well-known fact that FRP roofing sheets has 2 underlying issues

- 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 SPF Hybrid

One of the issue with skylight roof is heat load in the property resulting in unnecessary heat transfer into the property consequently consuming more electricity to cool the inside of the building. To overcome this issue, I-Cos Asia Co., Ltd. is most revolutionary and innovative product, Topglass GC SPF Hybrid, Soloar Protection Feature. Encompassing a unique manufacturing process similar to that used in the design and manufacture of modern sunglass eye ware, Topglass SPF Hybrid solar control roof lighting, selects and singles out Infra-Red (heat) plus harmful Ultraviolet rays, thereby preventing heat build-up and UV damage to Stock and Plant.

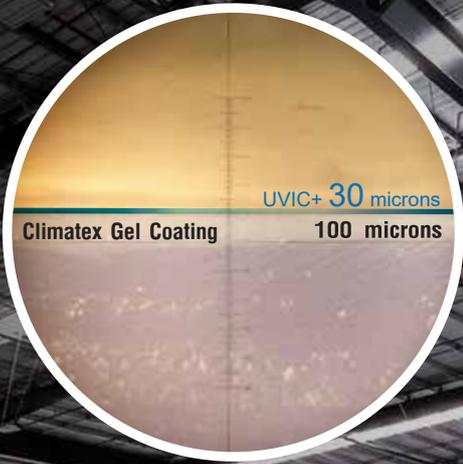


## Key Benefits

- Highly tested in Thailand shows solar reflection capability of Topglass GC SPF Hybrid almost double that of normal fiberglass products.
- Total Heat Gain by Topglass GC SPF Hybrid drops almost 40% compare to normal fixberglass products.
- Provides maximum visible light transmission whilst preventing unwanted solar transmission into a building.
- Reduces energy and air-conditioning costs along with the need for additional artificial lighting
- Virtually eliminates harmful UVA and UVB ultra violet rays from entering a building.

## Applications

- Air-conditioned buildings like supermarkets and malls.
- Food manufacturing buildings.
- Warehouses and retail outlets storing food and fresh produce.
- Bulk paper stores.
- Temperature-sensitive environments requiring high quality long-term natural lighting.



PROJECT REF.



## Product

Solar Energy Performance				
Product	ASHRAE Fundamentals		ISO 9050	AS/NZS 4257.4
	Solar Heat Gain Coefficient	Shading Coefficient	%Visible Light Transmittance	%Diffuse Light Transmission
Tolerance	±0.02	±0.02	±3	±3
Topglass® GC SPF Hybrid	0.21	0.24	11.8	44

## Certifications



**WARRANTY** Topglass® GC SPF Hybrid

WATER PENETRATION	LIGHT TRANSMISSION	NON FIBRE SHOW
<b>30 YEARS</b>	<b>25 YEARS</b>	<b>25 YEARS</b>

**benchmark**  
PRODUCT CERTIFICATION  
AS/NZS 4256.3 :2006  
Client BMP NO. 535535

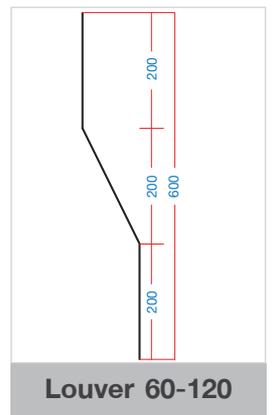
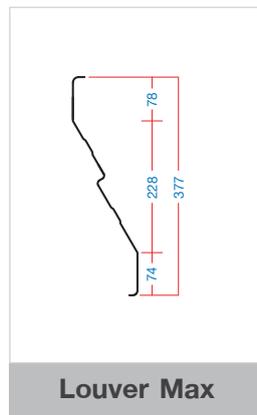
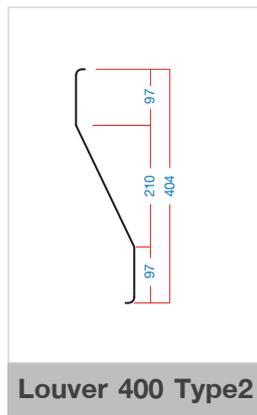
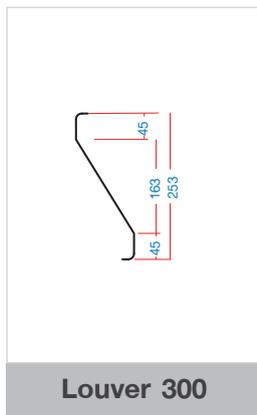
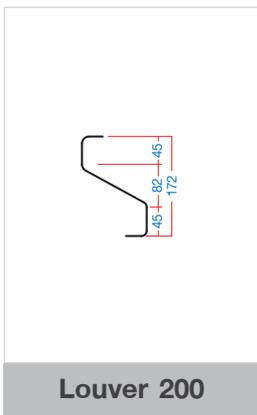
**JAS-ANZ**  
Z2560902AS

**TIS 612-2549**

**UKAS**  
MANAGEMENT SYSTEMS  
0043

**UNITED REGISTRAR OF SYSTEMS**  
CERTIFIED QUALITY MANAGEMENT SYSTEM  
ISO 9001

Load Span Capabilities		คิดที่การรับน้ำหนัก (แรงลม 1.5 kPa) ระยะห่างแป (Span Distance)		Curved roofing minimum Drape curve radius (mm.) รัศมีคดโค้งที่ติดตั้ง (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.



**Inno-cons (Thailand) Co., Ltd.**

78 moo7 klongluang District,  
Pathumthani Province,  
Thailand. 12120  
Telephone: (66) 2 524 0778  
Fax: (66) 2 524 2085  
Email: info@topglass-frp.com  
Website: www.topglass-frp.com