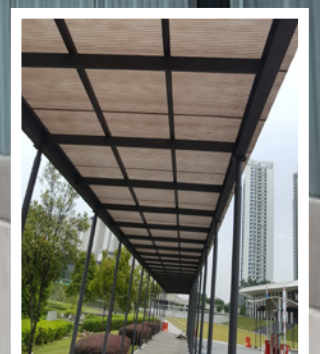
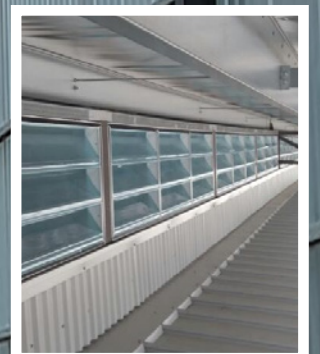


COMPANY PROFILE



Ampelite's Factories



Ampelite's Factory, Rayong, Thailand



Ampelite's Factory, Australia

Ampelite Fibreglass Pty Ltd

Is Australia largest producer and marketer of F.R.P / G.R.P sheeting and cladding. Ampelite Australia has an enviable reputation and have constantly developed a broad range of F.R.P / G.R.P products since the company begun production over 40 years ago.

With the great success in Australia and promising marketing potential in Asia, Ampelite formed Ampelite Manufacturing Co.,Ltd. In Thailand as a Board of Investment's privileged company to expand its production base of high quality fibreglass sheeting.

The companies major aim was to serve both the Thailand domestic market and to support other markets within the ASEAN zone.

Ampelite (Malaysia) Sdn Bhd as part of the Ampelite Global Group are supported totally regarding F.R.P / G.R.P products from both Ampelite Thailand and Ampelite Australia.

The company is the very first in Asia to obtain certification to AS 4256.3:2006 from SAI Global under license number SMKB20629 and also meets ISO 9001:2008, Certificate No. TH 003614 both for being fibreglass translucent sheeting manufacturer under BVQI Certificate No. 195672 and being sales and service center under BVQI certificate number 07000429.



» Use Distribution Disc technology to uniformly scatter fibreglass



» Modern production process certified to AS 4256.3:2006 by SAI Global



» Reliable quality system with ISO 9001:2008



» Stringently selected raw materials from world renowned sources

KEY FEATURE & PRODUCT GROUP



- Extra strong and trafficable.
- Reinforce with Ampelite web matt for better strength.
- Top surface is coated with Maxil Shield providing long lasting elegance.
- Bottom surface is coated with DuPont Melinex film for extended working life and profile stability.
- Suitable for a building extra durability, safety high chemical resistance or located in high wind area such as:-
- Air Hanger, Airport Buildings, Power Plant, Chemical Plant.
- Series: 3660gsm, 4270gsm & 4880gsm
- Warranty: 30 years with terms and condition



- Allowing superb Visible Light into the building.
- Reinforce with Ampelite web matt for better strength.
- Two Layers of top surface coated with Maxil Shield and Dupont Melinex providing extra protection against UV and surface erosion.
- Bottom surface is coated with DuPont Melinex film.
- Suitable for a building extra durable ideal for air-conditioned building requiring excellent infrared reflection, and low heat transmission such as:-
- Supercenter, Mega Store, Department Store, Commercial Building.
- Series: 2400gsm, 3050gsm, 3200gsm, 3660gsm, 4270gsm & 4880gsm
- Warranty: 30 years with terms and condition



- Excellent reduce heat transmission while allowing natural light into a building.
- Uniformly reinforced with glass fibre across the sheet with Distribution Disc Technology for extra strength.
- Top surface is coated with Maxil Shield providing long lasting and more elegance.
- Bottom surface is coated with DuPont Melinex film for extended working life and profile stability.
- Suitable for a building requiring heat inflow reduction or for air-conditioned building such as:-
- Department store, Supermarket, Gymnasium, Power Plant, Chemical Plant.
- Series: 2400gsm, 3050gsm, 3200gsm, 3660gsm, 4270gsm & 4880gsm
- Warranty: 30 years with terms and condition



- Provide uniform illuminance, durable and elegantly long lasting.
- Uniformly reinforced with glass fibre across the sheet with Distribution Disc Technology for extra strength.
- Top surface is coated with Maxil Shield providing long lasting and more elegance.
- Bottom surface is coated with DuPont Melinex film for extended working life and profile stability.
- Suitable for a building requiring natural light and lasting beauty such as:-
- Air Hanger, Factory, Warehouse, Swimming Pool, Walkway, Sport Stadium.
- Series: 2400gsm, 3050gsm, 3200gsm, 3660gsm, 4270gsm & 4880gsm
- Warranty: 30 years with terms and condition



- Provide natural light, power saving and long lasting.
- Uniformly reinforced with glass fibre across the sheet with Distribution Disc Technology for extra strength.
- Top surface is coated with Sealex UV film providing long lasting.
- Bottom surface is coated with DuPont Melinex film for extended working life and profile stability.
- Suitable for a modern building requiring evenly diffused natural light such as:-
- Factory, Warehouse, Rice Mill, Gymnasium and General Building.
- Series: 2400gsm, 3050gsm, 3200gsm, 3660gsm, 4270gsm & 4880gsm
- Warranty: 25 years with terms and condition



- Provide natural light and energy saving.
- Uniformly reinforced with glass fibre across the sheet with Distribution Disc Technology for extra strength.
- Top surface is coated with TopLite @ MX Film providing long lasting and elegance.
- Bottom surface is coated with DuPont Melinex film for extended working life and profile stability.
- Suitable for a building when requiring natural light such as:-
- Factory and warehouse.
- Series: 1800gsm, 2400gsm, 3050gsm, 3200gsm, 3660gsm, 4270gsm & 4880gsm
- Warranty: 10 or 15 years with terms and condition

Chemical Resistant product

-: Orthophthalic, Isophthalic, Neo Pentyl Glycol, Bisphenol and Vinyl Ester.
-: Chemblok Plus, Chemblok & Toplite CR

Others Product

-: Wonderglass GC FS Firecheck [ASTM E-108 : Class A]
-: SL Fire Retardant [BS : Part 6 & 7 : Class 2]

AMPELITE PRODUCES OF WORLD CLASS FIBREGLASS TECHNOLOGY



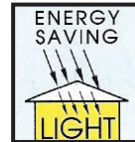
- » Manufactured by fully automatic machine with latest Australian Technology.
- » Use Distribution Disc Technology to uniformly scatter fibreglass.



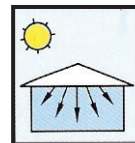
- » Modern production process certified to AS 4256.3:2006 by SAI Global.



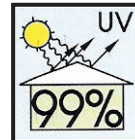
- » Stringently selected raw materials from world renowned sources.



- » Let natural light into building for free and save energy.



- » Provide superior light diffusion.



- » Provide UV protection.

Fibreglass Translucent Sheeting Selection:

With the continual development of modern building construction for both steel and concrete structure, most international project designer and owners nowadays require both metal roof and wall for up to standard construction and controllable construction lead time and cost. Building interior lighting design and skylight selection vary to type of industry and working activities inside the building, optimal product selection should be based on the following.



- Natural day light saves energy consumption and lighting maintenance. Moreover it lowers global warming from over consuming energy.



- Activities :-
Illuminance appropriate to activity in the building which may directly affect efficiency and productivity.



- Industry criteria :-
Different industry requires different illuminance depending on complexity of the product.



- Heat transmission :-
Lowering heat transmission into building helps create good working atmosphere and cut air-conditioning bill.



- Ventilation :-
To provide good ventilation and interior illumination, it is recommended to install metal louver together with fibreglass translucent louver.



- Product quality :-
AmpeLite translucent sheets are manufactured from premium raw materials by state of the art machinery. First in Asia to receive AS 4256.3:2006 certification from SAI Global, Australian leading certifying body and first in Thailand to obtain ISO 9001:2008 certification for both production and overall services.

Materials Thickness

Series	Thickness	Weight
1800 gsm	1.2 mm	1.80 kg/m ²
2400 gsm	1.5 mm	2.40 kg/m ²
3050 gsm	1.9 mm	3.05 kg/m ²
3200 gsm	2.0 mm	3.20 kg/m ²
3660 gsm	2.3 mm	3.66 kg/m ²
4270 gsm	2.6 mm	4.27 kg/m ²
4880 gsm	3.0 mm	4.88 kg/m ²

*Above thickness are average thickness with tolerance of +- 10%

Materials Expansion Comparison [0°C to 40°C temperature variation. Sheet length 12 metres]

	Fibreglass	Polycarbonate	Steel	Aluminium
Thermal Expansion	14.4 mm	32.4 mm	5.8 mm	11.5 mm
Thermal Co-efficient	3.0 x 10 ⁻⁵ cm/cm°C	6.75 x 10 ⁻⁵ cm/cm°C	1.2 x 10 ⁻⁵ cm/cm°C	2.4 x 10 ⁻⁵ cm/cm°C

Physical Properties

Description	Webglass		Wonder Cool IR®	Cool-Lite	Supra Glas	Sealex Extra		Toplite	
Colour	Ice Clear	Opal	Sea Pearl	White	Snow Blue	Ice Clear	Opal	Ice Clear	Opal
Series	3660gsm		2400gsm ~ 4880gsm					1800gsm ~ 4880gsm	
Light Transmission	60%	50%	44%	38%	54%	70%	54%	70%	54%
Heat Transmission	53%	42%	20.2%	23.5%	47%	70%	47%	70%	47%
Shading Co-efficient	0.61	0.48	0.232	0.27	0.53	0.79	0.53	0.79	0.53
Top Coating	DuPont Melinex Film + Maxil Shield 130 Microns					DuraGel 100 Micron		TopLite® MX Flim 20 microns	
Bottom Coating	DuPont Melinex® Film								
Tensile Strength	110 MPa		100 MPa						
Impact Strength	10 Joules		8 Joules						
Thermal Expansion	1.9 x 10-5 cm/cm°C		3.0 x 10-5 cm/cm°C						
Shear Strength	90 MPa								
Modulus of Elasticity	5500 MPa								
Compressive Strength	151 MPa		135 MPa						
Flexural Stength	181 MPa		150 MPa						
Specific Gravity	1.60		1.45						
Thermal Conductivity	0.158 watt/m°C								
Water Absorption	0.2% in 24hrs / 26°C								
Recommended Service Temperature Range	-20°C to +110°C								

Remark: Shading Co-efficient is the ratio of the Solar Heat Gain Co-efficient of test sample to the Solar Hear Gain Co-efficient of a standard 3mm thick single layered glass sheet.

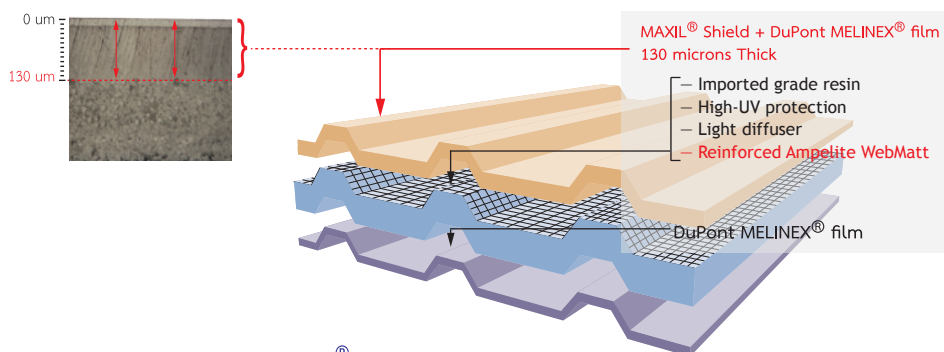
WEBGLAS®

Ampelite's Webglas translucent roof and wall cladding sheet Ice Clear and Opal colors can safely take foot traffic. Suitable for tall building and strong wind area, specially resistant to chemicals. Ideal for building requiring natural illumination and extra strong translucent roof sheet such as:-

- Air Hanger
- Airport Buildings
- Chemical Plant
- Building in strong wind area

Ampelite's Webglas translucent roofing and walling are manufactured from premium quality Australian standard polyester resin system reinforced with Ampelite web matt in compliant with Australia standard AS 4256.3 : 2006 certified by SAI Global License No. SMKB20629 specific weight 3660gsm. Top surface coated with 100 micron thick Malix Shield providing excellent resistance to UV and surface erosion. Bottom surface coated with DuPont Melinex Film.

Color	Color Shading	Light Transmission	Heat Transmission	Shading Co-efficient
Ice Clear		60%	53%	0.61
Opal		56%	42%	0.48



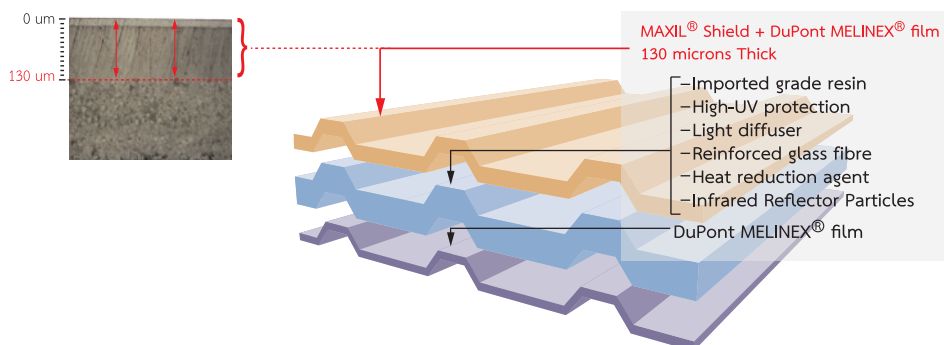
WonderCOOL IR®

Ampelite's WonderCOOL IR translucent roof and wall sheets is Sea Pearl color can reflect heat radiation and infrared while allowing natural light to enter the building with our Solar Nano technology. With its unique heat reduction characteristic and unrivaled durability and lifespan, it is highly suitable for air-conditioning buildings or buildings which require both excellent heat reduction and uniformly distributed natural light such as:-

- Supercenter / Hypermarket
- Department Store
- Commercial Building

Ampelite's WonderCOOL IR translucent roofing and walling are manufactured from Australian Standard certified, heat reduction polyester resin system mixed with IR (Infrared Reflector) particles, a Solar Nano technology in compliance with Australian standard AS 4256.3:2006, certified by SAI Global License No. SMKB20629 specific to weight 2400 gsm. Top surface is coated with dual layer coating technology, 130 microns thick MAXIL Shield and DuPont Melinex Film, to provide an extra protection against UV radiation and surface erosion. Bottom surface is coated with DuPont Melinex Film.

Color	Color Shading	Light Transmission	Heat Transmission	Shading Co-efficient
Sea Pearl		44%	20.2%	0.232



Product Details

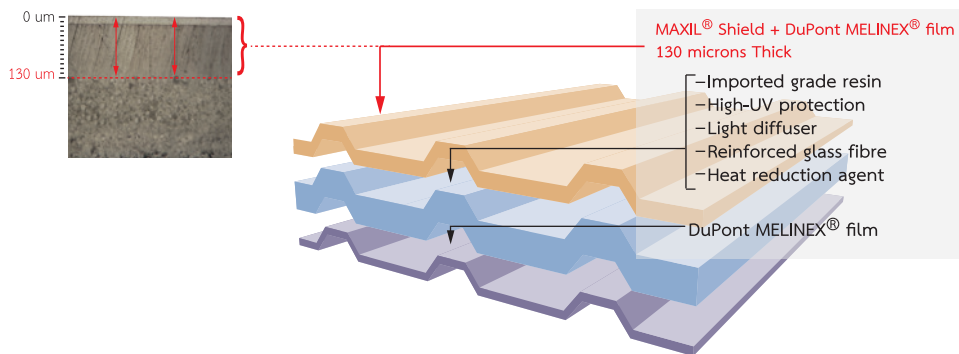


Ampelite's Cool-Lite Supra translucent roof and wall cladding sheet White color superbly helps lower heat transmission while allowing natural light into building extra durable ideal for building requiring heat transmission reduction with air-conditioning such as:-

- Department Store
- Supermarket
- Gymnasium

Ampelite's Cool-Lite Supra translucent roofing and walling are manufactured from premium quality Australian standard heat reduction polyester resin system reinforced with Anti-static high quality glass fibre distributed evenly by using Distribution Disc Technology in compliance with Australia standard AS 4256.3 : 2006 certified by SAI Global License No. SMKB20629 specific weight 2400gsm. Top surface coated with 100 micron thick Maxil Shield providing extra protection against UV and surface erosion. Bottom surface coated with DuPont Melinex Film.

Color	Color Shading	Light Transmission	Heat Transmission	Shading Co-efficient
White		38%	23.5%	0.26

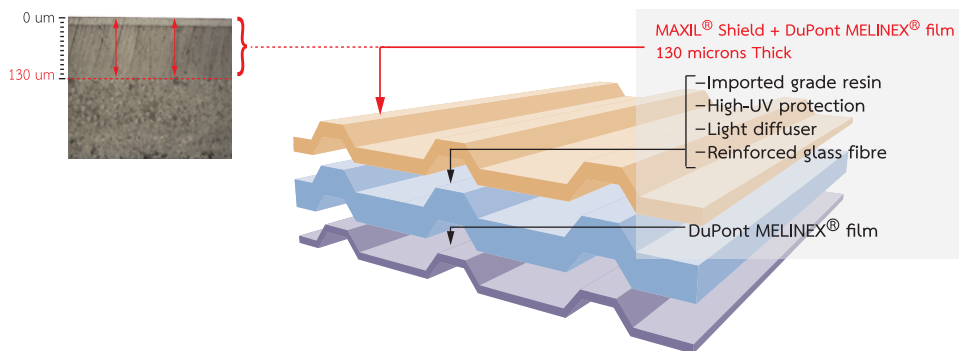


Ampelite's Supraglas translucent roof and wall cladding sheet Snow Blue colors are durable, elegantly long lasting and provide uniform illuminance:-

- Air Hanger
- Factory
- Warehouse
- Walk way
- Sport Stadium

Ampelite's Supraglas translucent roofing and walling are manufactured from premium quality Australian standard polyester resin system reinforced with Anti-static high quality glass fibre distributed evenly by using Distribution Disc Technology in compliance with Australia standard AS 4256.3 : 2006 certified by SAI Global License No. SMKB20629 specific weight 3660gsm. Top surface coated with 100 micron thick Maxil Shield providing extra protection against UV and surface erosion. Bottom surface coated with DuPont Melinex Film.

Color	Color Shading	Light Transmission	Heat Transmission	Shading Co-efficient
Snow Blue		54%	47%	0.53

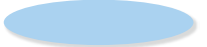


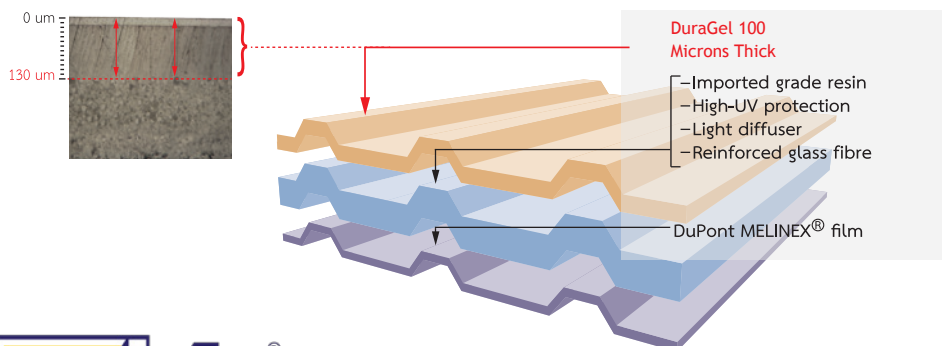
SEALEX DuraGel®

Ampelite's Sealex Extra translucent roof and wall cladding sheet Ice Clear and Opal color add illuminance inside building and save electricity, long lasting suitable for modern building requiring evenly diffused illuminance such as:-

- Factory
- Warehouse
- Rice Mill
- Gymnasium
- General Building

Ampelite's Sealex Extra translucent roofing and walling are manufactured from high quality Australian standard polyester resin system reinforced with Anti-static high quality glass fibre distributed evenly by using Distribution Disc Technology in compliance with Australia standard AS 4256.3:2006 certified by SAI Global Licence No. SMKB20629 specific weight 2400 gsm. Top surface coated with 100 micron thick Maxil Shield providing extra protection against UV and surface erosion. Bottom surface coated with DuPont Melinex Film.

Color	Color Shading	Light Transmission	Heat Transmission	Shading Co-efficient
Ice Clear		70%	70%	0.79
Opal		54%	47%	0.53



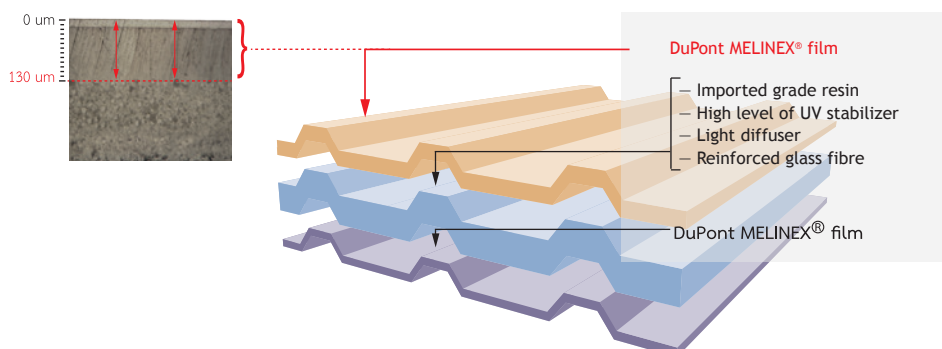
TOPLITE®

Ampelite's Toplite translucent roof and wall cladding sheet Ice Clear and Opal colors add illuminance inside building and save electricity, suitable for modern building requiring evenly diffused illuminance such as:-

- Factory
- Warehouse

Ampelite's Toplite translucent roofing and walling are manufactured from high quality Australian standard polyester resin system reinforced with Anti-static high quality glass fibre distributed evenly by using Distribution Disc Technology in compliance with Australia standard AS 4256.3:2006 certified by SAI Global Licence No. SMKB20629 specific weight 2400 gsm. Top surface coated with DuPont Melinex film providing UV protection. Bottom surface coated with DuPont Melinex Film.

Color	Color Shading	Light Transmission	Heat Transmission	Shading Co-efficient
Ice Clear		70%	70%	0.79
Opal		54%	47%	0.53



MATCH MOST POPULAR PROFILES

Maximum Span for a wind load of 0.5 kpa for roof design.

Profile	Series	
	2400 gsm. (1.5mm thk)	3050 gsm (1.9mm thk)
Clip System Profile: Lok Deck 430 / Clipdeck 430 / M-Clipp 430 / Kilplok 406 & 812 / Steelok / Speed Deck 508	2000mm	2300mm
AceCliplock 710 & 700 / CLS 705 / CL710 / CL660 / Clipfix 672~41 Clip Lock 710 / ClipDeck 680 / FormClip 710 / Grip Deck 3~Pan 680 I Clip / Hicondek 40 / Lock Deck 700 / M-Clipp 700 / One Clip 700/ R670 Seal Klip / SunClip / SengDek / Cliplock / TH~Clip Optima 730 / TH~Clip 710 TS 3 Pans Clip / Weatherclip I & II / 3 Pan Klip 660 & 700 / Winclip Clipdeck W710 / K-Lok / LokPro 670 / Unilok 672 & 700	1700mm	2000mm
Kliplok Optima 980 / Kliplok Opt 2~Pans 655	1500mm	1700mm
Screw System Profile: AP Rib / Astana / AceRib / AceTrim / Cool-deck / Ecodek / E~Clad / EP 762~25 Formflex R25 & R30 / Innodeck / Icon Deck/ KS 760 Deck / K~Line Ledex Flex / Metaldek / OneTrim / R760 / Skydeck II / Seal Deck / Stee Deck Sun Roof / Sundek I & II / Superspan / SungDek / Superdek / Superior Rib 762 TH~Deck / Trimdek 760 & 812 / TS Regal Rib / Windek / Weatherdek I & II Trimdek Optima / Megadek / MegaSpan / S-Deck / EP1000~35 / Kalbaus Lycorrib 28 / Monoclad / M-Clad 1015 / Top Deck / Brisdeck / Flexideck Amdex / Baseline V / I-Deck / Polydeck / Unidek / Yundek / YK Deck / YK Lok	1500mm	1700mm
High Rib 30 / I~Rib / Mega Rib 30 & 35 / TH Rib / TH Superior Rib 35	1300mm	1500mm
D'Span 700 / M-Span / Multideck 700 / R695 / Spandek 675, 690 & 700 / Spandex Spandek Optima / Sphere Span / Speed Deck / Seal Form / Weatherspan / V~Deck	1900mm	2300mm
Flat Sheet [Std Size 1.22m (W) x 6.10m (L)] / D~Lite Wave / Minideck	550mm	610mm
Wall Cladding Profile: Alrib / D~Clad / M~Clad 805 / Metal Sphere / Multiclad / Seal Klad / V~Clad / Winclad / V~Crimp		
Seaming System Profile: R650 I & II / Seamlock / Eurozip 65 / KZ 400 / Kalzip / Zip Deck 400 & 800		
Others Profile: Aludeck 6P & 7P / Comspan / EP 900~35 / HR 29 / R715 / SK Rib 38 II / R600 / Roof Deck Custom ORB 760 / Corrugated 990 / Big Corrugated 960 Louvre Type I / Louvre B200 / Louvre B300 / Louvre B400 / Louvre B400-II / Louvre B600		

**** Maximum Purlin Spanning for series 3660gsm up to 4880gsm dependent upon specification.**

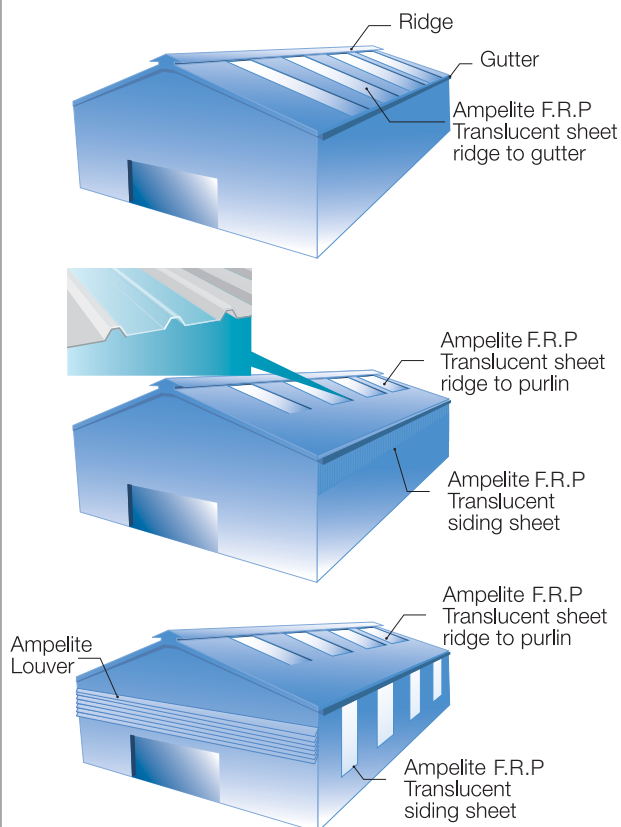
**** Others new profile available upon request.**

In reference of columner expansion and thermal movement of the roof structure Ampelite recommended that the weight if the fibreglass sheeting should be in accordance to the maximum allowable span of the purlin spacing. This is to provide the necessary strength needed to withstand the design purposes and also to compliment the metal roof and the supporting structure of the building. Sheeting shall be installed in accordance with Ampelite fixing instructions. General installation requirements and design of roofing systems AS 2424,91.

DESIGN CONSIDERATION TIP



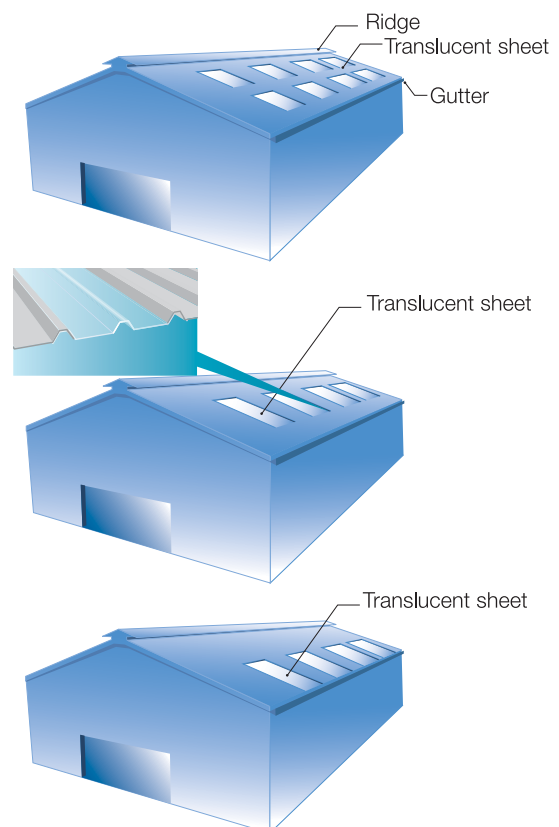
Recommended



- 1 It is recommended to start fibreglass sheeting installation from the ridge capping will help prevent leak.
- 2 Fibreglass translucent sheeting must be placed above metal roof due to its thermal expansion is higher than metal sheet's thermal expansion while its strength is lower.
- 3 Installing translucent sheets on sides of building will add illuminance.
- 4 Generally recommended quantity fibreglass translucent sheeting is not less than 10% of total roof area.



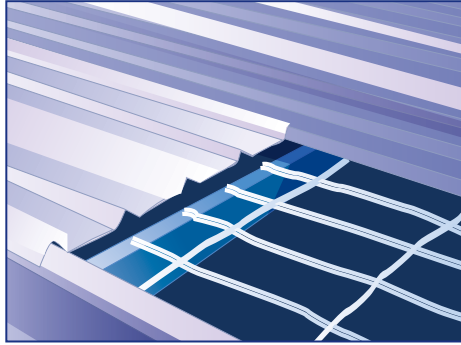
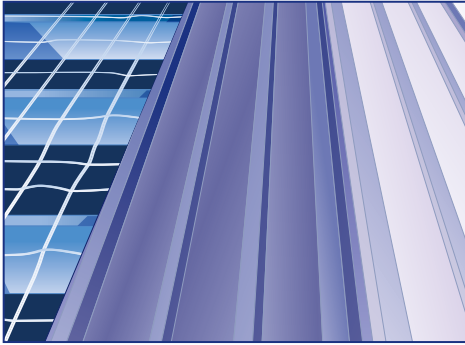
Not Recommended



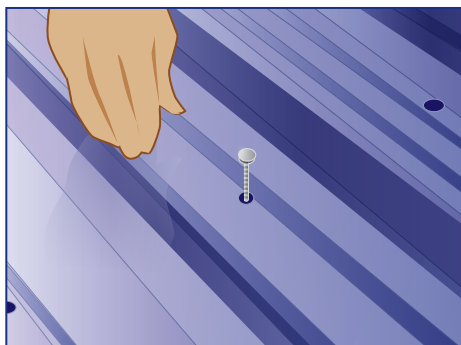
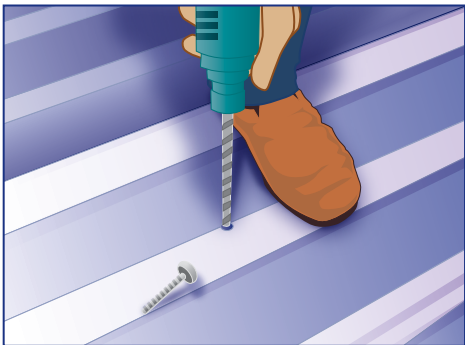
- 1 Good fibreglass translucent sheet must diffuse light evenly instead of split themselves to an area where light required.
- 2 In case of FRP sheets splitting is required, they must be placed above metal sheet to prevent any FRP damaging.
- 3 In case "not recommended" installation is unavoidable, 2 strip of lap seal tapear, 1 layer of RTV non-hardening neutral silicone in between lapping.

(Applicable for metal screw system profile only.)

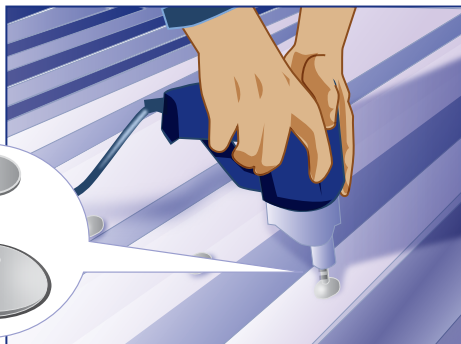
INSTALLATION GUIDE



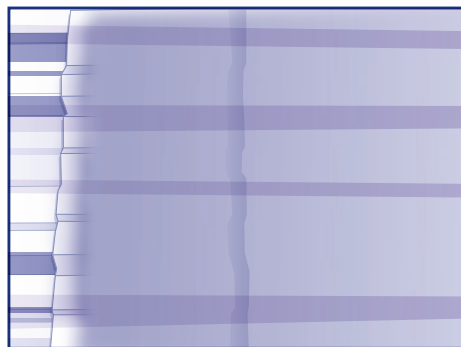
- 1 Start metal roof installation first and leave opening for fibreglass sheets. Put the fibreglass sheets in place with both sides on the metal roof and screw.



- 2 Oversized holes must be pre-drilled. The basic calculation is 0.4 multiply by meter length of sheet plus shank diameter of screw. Example: 10m Sheet = $(0.4 \times 10) + 4 \text{ mm. (screw)} = 8 \text{ mm. pre-drilled hole.}$



- 3 The fibreglass sheet must be screwed on every rib Class 3 wing screw c/w EPDM washer. The fixer must ensure that the fixing are located in the center of the oversize hole.



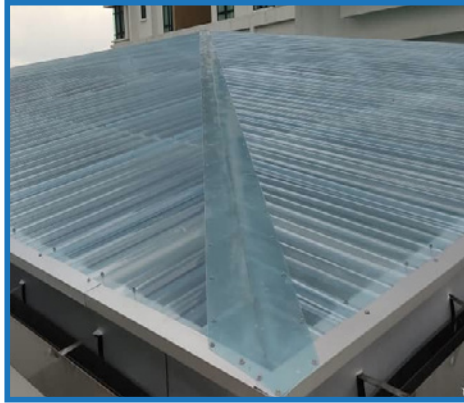
- 4 Minimum 300mm overall end lapping on top of purlin support with 2 strips of lap seal tape or 1 layer of RTV Non hardening neutral silicone in between lapping along the profile width.

Remark: 1. Minimum 30 cm for roof slope within 3-5 degree and greatest / longer for roof slope less than 3°.

2. Appropriate sheet length < 12m to allow for thermal expansion.

PROJECT REFERENCE

Factory, Warehouse, Stadium, University, Walk Way, Shipyard & Fertilizer Plant



Copyright, Jan 2021. The data in this publication supersedes previous issue.

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Email : cs@ampelite.com.my



FS FireCheckTM

Ampelite Australia

Extraordinary Performance
Fire Proof Fibreglass Roofing and Cladding

AS/NZS 3837 - Group 2 Classification



Quality
Endorsed
Company
AS/NZS ISO 9001
QEC 4787
SAI GLOBAL



PROUDLY AUSTRALIAN OWNED
AND MANUFACTURED

Available Across the Complete Ampelite Fibreglass Range

How does the Ampelite FS FireCheck® work?

The FS FireCheck comprises an intumescent impregnated glass tissue which is manufactured within the Ampelite sheeting. The chemicals are halogen free meaning they are non toxic. The simplicity of the approach to using the tissue and locating it at the surface of the sheet results in no loss of strength or stiffness within the composite section.

On exposure to flame or radiant heat the FS FireCheck will form a carbon char. This char will not support a flame or burning and will insulate against any heat source. Therefore flame spread and smoke development become non-existent.

Traditional methods of fire retardant roofing products include the addition of chemicals, especially Bromine. This chemical is toxic when burnt and degrades the integrity of the fibreglass when exposed to the sun or UV light. FS FireCheck is completely free from Bromine fire retardant chemical, and surpasses any previous fibreglass sheeting fire retardant category. FS FireCheck is now in it's own class of fire proofing protection.

Universal Applications

Ampelite, Australia's most experienced and largest manufacturer of fibreglass roofing now includes FS FireCheck as an optional benefit to all our fibreglass products.

Benefits

- Fire Resistant
- Does Not Contain Bromine
- Will Not Turn Brown under UV Exposure
- Non Toxic Burn Qualities
- Hail Resistant
- Stable Light Transmission
- UV Stable 100 Micron Gel Coating
- Cuts 99% of UV Transmission
- No Surface Erosion
- Can be produced with Chemical Resistant Resin

Testing Summary

Australian Standards Testing Authority: CSIRO Infrastructure Technologies, Sydney

AS/NZS 1530.3:1999

Methods for fire tests on building materials, components and structures – Simultaneous determination of ignitability, flame propagation, heat release and smoke release.

AS/NZS 3837:1998 (GROUP 2 Classification)

Methods of test for heat and smoke release rates for materials and products using oxygen consumption calorimeter.

International Standards Testing Authority: TUVSUD PSB Pty. Ltd. Singapore

BS 476-6:1989 + A1: 2009 (Fire Propagation Index 12.6)

Fire tests on building materials and structures – Part 6: Method of test for fire propagation for products.

BS 476-7:1997 (CLASS 2 Surface Spread of Flame)

Fire tests on building materials and structures – Part 7: Method for classification of the surface spread of flame of products.

ASTM E108: 2011 (CLASS A)

Standard test method for fire tests of roof coverings.



Certificate of Conformity
No. CLS2 16 08 96935 002

Certificate of Conformity
No. CLS2 16 08 96935 001

FS FireCheck™

Ampelite Australia

CSIRO COMPARATIVE TESTING

Performed by the Fire Safety Engineering Team at the CSIRO,
Materials Science & Engineering facility at Highett, Melbourne.

This comparative test was conducted to display the difference between Ampelite products
when exposed to a 40KW Magnitude Flame Test.

1. Ampelite Standard Industrial Polyester Sheeting. Test stopped at 3.01 minutes.



After three minutes, the sheets were doused with water extinguishing the flames. Heavy black smoke was abundant creating a time delay wait for fumes to be exhausted. The result of the fire is evident with the front sheet ready to collapse.

2. Ampelite SL Fire Retardant Sheeting. Test stopped at 4.01 minutes.



The top surface of the SL Fire Retardant achieved a peak temperature of 652.7°C and was reached at 265 seconds as the sheeting became engulfed in flames.

3. Ampelite Standard Industrial Sheeting with FS Firecheck addition. Test concluded after 31.00 minutes.



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This photo displays the extent of heat damage to the front sheet that was positioned directly over the flame. The adjacent sheet had no visual sign of heat damage.

The temperature on the flame face rose and fell between 540°C and 570°C, taken from 180 seconds to 510 seconds of exposure. From there until the conclusion of the test, the exposed flame temperatures experienced by the FS Firecheck sheeting averaged at 520°C.

The top side of the FS FireCheck sheeting experienced a peak temperature of 411.2°C after 475 seconds of flame exposure. From that point of time, the average temperature of the top surface of the sheeting was 350°C.

The difference in mean temperatures from the exposed surface of the sheeting was therefore an incredible 170°C. Put in context, this is even more impressive when measuring the average thickness of the sheeting at just 2.0mm.

Ampelite FS Firecheck can be utilised with all the well-known Ampelite Fibreglass Products.

	Wonderglas GC – Gel coated fibreglass sheeting that defeats weathering.
	Cool-Lite GC – Solar Heat Gain reducing fibreglass sheeting.
	Webglas GC – Trafficable fibreglass sheeting designed for architectural aesthetics as well as corrosive resistant roofing.

Light Transmission Table		
Colour	Series	Light
ITranslucent Blue	2400	62.0%
Opal	2400	64.0%
Cool-Lite	2400	50.0%

Provided by Ampelite Australia Pty Ltd an Australian owned and operated company

25 Year Warranty

The following benefits are in addition to any rights conveyed by Government regulations and the Trade Practices Act.

Ampelite Australia Pty Ltd warrant 'Wonderglas GC' glass reinforced polyester sheeting over:

(A) a period of 25 years (pro-rata cover) for the following:

1. The product will not allow water penetration through the actual sheet.
2. The product will not de-laminate or allow protrusion of reinforcing fibres through the sheet surface.

(B) a period of 10 years (pro-rata cover) for the following:

1. Remain structurally sound and shatter resistant under normal conditions. This includes fracturing of sheet by hailstones up to 20 mm in diameter accompanied by winds up to 100 km/hr.
2. Excessive yellowing of sheets leading to loss of light transmission exceeding 10% of the original light value.

Warranty conditions:

- (a) The product must be installed strictly in accordance with AS1562.3:2006 Design and installation of sheet roofing and wall cladding Part 3: Plastic, and with the Manufacturer's recommendations and specifications which are available from Ampelite offices.
- (b) The product must not be affected by failure to remove debris, or failure to keep the surface clean or to provide free drainage of water from the product's surfaces.

(c) The sheet shall not be directly exposed to the range of chemicals known to cause deterioration of polyester materials.

(d) Sheet failure or damage due to vandalism, fire or natural disasters, improper storage or installation is not covered.

Replacement or refinishing

From the date of installations during the applicable warranty period, Ampelite Australia Pty. Ltd. will, upon verification and acceptance of a claim supply a replacement panel at a cost to the user calculated as follows: 1/300th warranted for 25 years for each month of service obtained prior to the submission of the claim, or refinish the defective panel to restore minimum surface integrity.

DISCLAIMER

While the contents of this brochure are believed to be correct at the time of printing, revisions to the colour range, procedures or data may be made without notice. All recommendations are made in good faith but without warranty.

The colour representations of WonderGlas GC in this brochure are as accurate as the nature of the material and commercial photographic and printing processes allow. It is probable that colours may vary between those shown in this brochure, sample pieces and the delivered product.

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