

Ampelite New Zealand Product Catalogue



Quality
Endorsed
Company

AS/NZS ISO 9002
Licence QEC 4787
Standards Australia

AMPELITE
makes light work!

Ampelite New Zealand

Ampelite (NZ) Ltd commenced operations in April 1995 specialising in supplying translucent roofing into both the retail and industrial markets in New Zealand. Ampelite Fibreglass Pty Ltd, who commenced production of Fibreglass sheeting in 1969, solely owns Ampelite (NZ) Ltd. The Joint Managing Directors, Ed Verhagen and Henk Verhagen have between them, well over 50 years of direct involvement in the research, development and production of fibreglass roofing materials.

In 2000 Ampelite (NZ) Ltd moved to a new purpose-built production, warehouse and office complex at Penrose, Auckland, to house Ampelite's state of the art production plant.

The very best raw materials and latest resin technology are used in the manufacture of all Ampelite's fibreglass sheeting. The automated processing is controlled to ensure that each phase of manufacture is absolutely consistent from batch to batch. The curing ovens are approximately 40 metres in length and the sheet is immediately ready to be trimmed and cut to length. This plant can produce some 300,000 lineal metres each month.

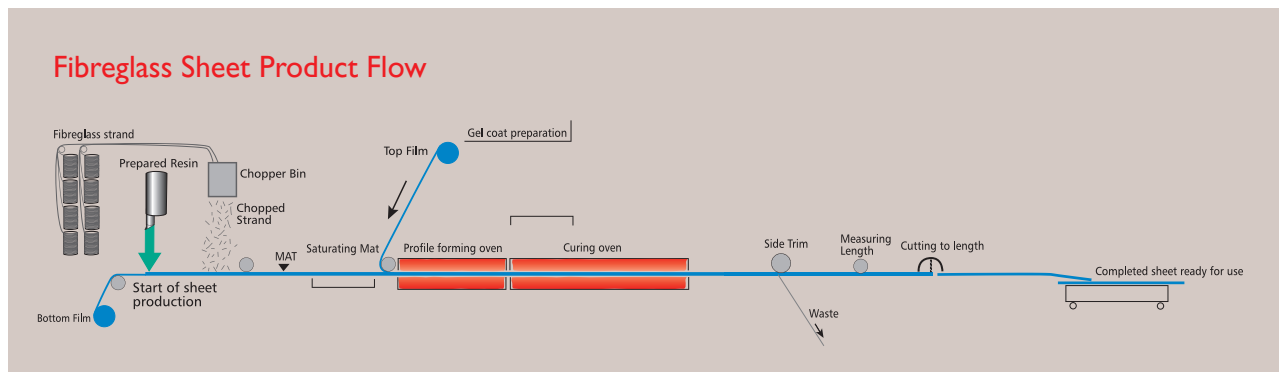
Ampelite (NZ) Ltd have an ISO 9002 accredited Quality System in place that enables Ampelite to offer a consistently high level of service to you our customer from our factory and offices in Auckland. Ampelite manufacture fibreglass sheeting, and distribute their range of plastic roofing that Ampelite purchase from several suppliers throughout the world. Ampelite also market Ampelair roof ventilators and Roomlite solar lighting tubes.

and weathering, prolongs light transmission, enhanced mechanical properties and is resistant to impact and thermal expansion. WonderGlas GC carries a 25 year warranty for water penetration and a 25 year warranty for light transmission.

Special purpose materials such as Ampelite SR76 a fire retardant sheet meeting AS1530.3, 1989 requirements are available in the full range of profiles. Grey filled profiled sheets are also manufactured for cooling tower louvres and cladding.

Webglas GC is proving its worth in buildings where steel and other roofing or wall cladding materials deteriorate or corrode at an unacceptable rate. The sheet is reinforced with a heavy gauge woven glass mat which provides continuous strength and protection in every direction. The overall strength is such that wire safety mesh is not required. This is a particularly important benefit in chemically aggressive and corrosive environments where safety mesh is eroded and traditional steel cladding quickly deteriorates.

In addition to roofing materials, Ampelite supply wind driven rotary ventilators ranging in size from 150mm to 600mm. These ventilators are made to high specifications for effective performance and long life.



Ampelite holds a Standards Licence for its range of industrial and premium industrial grade sheeting. All product is manufactured strictly in accordance with AS/NZS 4256 parts 1 & 3:1994.

Ampelite have offices and warehouses in Auckland, Palmerston North and Christchurch, as well as every mainland state of Australia and manufacturing operations in Melbourne - Australia, Bangkok - Thailand, and Shanghai - China. Every current and almost all superseded roofing and cladding profiles can be supplied. Custom profiles are also made when commercially viable quantities are involved. The sheeting may be specified from 1800 grams/m² up to 4880 grams/m². Sheet length is only limited by transport considerations, generally, up to 25 metres.

WonderGlas GC is Ampelite's Premium Industrial Fibreglass Sheeting. The 100 micron Gel coating withstands UV attack



**Quality
Endorsed
Company**




AS/NZS ISO 9002
Licence QEC 4787
Standards Australia





Australia/NZ
Standard
Lic. SMK20116

Domestic Products




Suncall Frosted Corrugated PVC Sheeting		3
Sun Clear Clear PVC Sheeting		3
Corri-Glas Translucent Glass Reinforced Polyester Sheeting		3




WonderGlas GCP Premium Grade Domestic Fibreglass Sheeting		4
Solasafe Polycarbonate Sheeting		4
Lexan Thermoclear Polycarbonate Twin Wall Sheet		4

Ampelair Superflow Turbo Domestic Ventilators		5
Roomlite Skylights		5

Industrial Products

WonderGlas GC Premium Grade Industrial Fibreglass Sheeting		6
Perma-Glas Industrial Grade Fibreglass		6

Cool-lite Premium Industrial Grade Heat Reduction Sheeting		7
SR76 Smoke Reduced Industrial Grade Fire Retardant Fibreglass Sheeting		7
Webglas GC Woven Mat Reinforced Fibreglass Sheeting		7

ClearSlide Sheet Strip-Clip System		8
Dual Roof Anti-Condensation Skylighting System		8
Ampelair Industrial Ventilators		8

Industrial Profiles		9
---------------------	--	---

Installation of Industrial Fibreglass Sheeting		10
--	--	----

Spanning of Popular Profiles		11
------------------------------	--	----

Physical Properties		12
---------------------	--	----

Design Considerations		13
-----------------------	--	----

Fixings and Accessories for Fibreglass and Polycarbonate		14
--	--	----

Suncall Frosted Corrugated PVC Sheeting

Suncall is a low cost translucent corrugated sheet which is ideal for use around the home. Suncall corrugated sheets allow light to be gently and evenly diffused and reduce the glare from direct sunlight. They provide protection from the extremes of weather while making available ample natural light. When used around patios and pools they can serve as both a privacy screen and windbreak but do not exclude the warmth of the sun.

Suncall corrugated sheets are lightweight, flexible and easy to handle.



Sun Clear Clear PVC Sheeting

Clearly the benefits of using Sun Clear pvc sheeting are obvious when looking for an inexpensive way to protect your outdoor living areas against wind and rain, so they can be enjoyed all year round.

With its corrugated profile Sun Clear pvc sheeting can be used as either a roofing or cladding material in areas where you still require the light of day, such as pergolas, wind breaks and carports.



Corri-Glas Translucent Glass Reinforced Polyester Sheeting

Now you can enjoy the outdoor feeling yet be protected from the sun because Corri-glas reinforced polyester sheeting cuts out 99% of harmful Ultra Violet rays.

When you choose Corri-glas you can be sure that it has been manufactured using high quality materials and the world's latest resin technology.

A tough polyester film forms an integral part of the sheet and increases its life by preventing reinforcing fibres from becoming exposed on the surface of the sheet.

Corri-glas is available in three strong profiles - Corrugated, 5 Rib and Greca. Colours available are clear, opal, grey and green.



WonderGlas GCP Premium Grade Domestic Fibreglass Sheeting

Wonderglas GCP is a premium grade of fibreglass reinforced polyester. It provides wonderful durability and protection. Your investment is covered by a lifetime warranty that covers loss of light transmission and fibre show. The surface coat technology gives Wonderglas GCP exceptional weathering properties even in very harsh environments such as the far north. Another big plus for Wonderglas GCP is a very high shade factor which means less heat is transmitted. If heat is a major concern the stronger coloured sheets reduce the heat even further. There is no need for anti-noise tape either.



WONDERGLAS GCP
1500 GSM PREMIUM GRADE POLYESTER SHEETING

Solasafe Polycarbonate Sheeting

Solasafe Polycarbonate is equal in quality to other major brands. It is available in Clear and a range of the most popular tinted colours. Clear sheets transmit some 90% of light with heat transmission as high as 85%. Tinted sheets reduce glare and transmit much less heat than clear but have a corresponding loss of light transmission.

The use of anti-noise tape along purlins will overcome customer complaints. If a sealant is required, only SEAL-ONCE® or Tremfill® should be used as they are compatible with polycarbonate: other sealants will damage and weaken the sheet and must not be used. The warranty is void if incorrect sealants or seals are used. Solasafe has a lifetime warranty.




'SOLASAFE'

Lexan Thermoclear Polycarbonate Twin Wall Sheet

LEXAN® THERMOCLEAR®, produced by General Electric Plastics is a light transmitting multiwall polycarbonate sheet that is UV protected on both sides for optimal protection against discolouration and weathering.

LEXAN® THERMOCLEAR® can be used in flat or curved glazing applications for roofs, sports stadiums, shopping centres, swimming pools, art galleries, conservatories, verandas, greenhouses and garden centres.



 **LEXAN**

Ampelair Superflow Turbo Domestic Ventilators

Ampelair exhaust the very hot air trapped in the roof space and lowers inside temperatures. Removes dampness and condensation. Improves bathroom ventilation and prevents damp conditions that cause mould and mildew. Keeps insulation efficient while providing effective natural ventilation of roof space and keeps interiors fresher.

One Ampelair AA300 turbo ventilator effectively ventilates the roof space of an average sized home. For larger homes a second ventilator is required.

Features:

- Light, strong and durable construction. Free flow 300mm throat.
- Twin bearings with stainless steel balls.
- Variable pitch base, 0 to 45°.
- Suits tiled or metal roofs.
- Provides natural ventilation powered by the wind. No electrical connection or ducting required.
- Maintenance free operation. Relax and enjoy the benefits of cooler evenings and more comfortable living.



SUPERFLOW

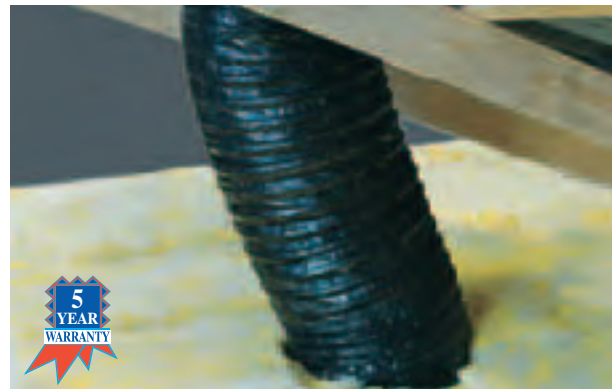
Roomlite Skylights

Roomlite provides an effective, low cost solution to lighting in those small dark areas of your home, making them more user friendly. Now you can have natural light just where you need it.

Simple to install, these skylights have an inbuilt flashing to suit both tiled and steel roofs. The internal light diffuser clips into the plaster; attractive and practical.

The acrylic dome and flexible light transmitting duct allow installation to be made without having to cut roof or ceiling timbers. The dome, flashing and reinforced flexible duct are factory assembled. Easy to follow do-it yourself instructions are provided, but if you prefer, your retailer can arrange professional installation at moderate cost. The roof flashing is available in a range of colours to match your steel or tiled roof.

Available in 300mm, 400mm and 500mm diameters.



ROOM LITE

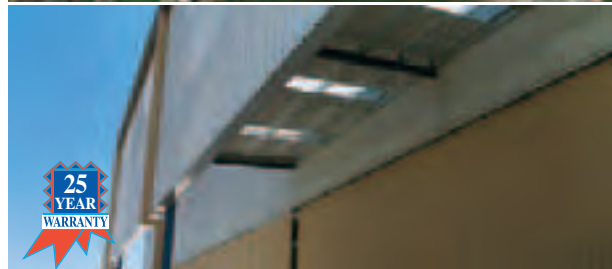
domestic

WonderGlas GC Premium Grade Industrial Fibreglass Sheeting

This revolutionary gel coated fibreglass product is much superior in performance to products utilising surface coat film of any type. The performance of WonderGlas GC gel coated sheeting is well proven in many major New Zealand and Australian projects. WonderGlas GC is the first ever translucent sheeting designed expressly to combat New Zealand's very harsh environment.

The gel coating withstands the ravages of high UV exposure and resists erosion by many chemicals. So much so that entire fertiliser plants are clad with gel coated woven mat reinforced fibreglass ('Webglas GC' also an Ampelite product). The resin technology was developed in the U.S.A. by BP Chemicals and very successfully applied to product manufacture by Ampelite. The ultra violet resistant resins used in the manufacture of WonderGlas GC provide the ultimate in protection – well ahead of the latest surface film technology.

The gel coating is mated to the sheet resin and reinforcing fibres at a point where fibre saturation is optimal. From that coupling of the two elements, the sheet moves through profile forming and curing ovens to emerge totally integrated. No surface delamination is possible once the sheet is cured; the surface provides an almost impenetrable barrier, reducing erosion (fibre show) and loss of light transmission to negligible proportions.



WonderGlas GC
GEL COATED POLYESTER SHEETING

Perma-Glas Industrial Grade Fibreglass Sheeting

Low expansion and contraction rates make Ampelite Perma-Glas industrial grade fibreglass compatible with all steel roofing and cladding. Perma-Glas comes in 3 levels - STD, XL and ULTRA depending on the life span of the product required. When installed to Standard AS/NZS 1562.3 : 1996, continuous lengths up to 25 metres may be specified. All current profiles such as Corrugate, Trimdek, etc. plus most superseded profiles are available.

Ampelite Perma-Glas industrial fibreglass is manufactured in strict accordance with AS/NZS 4256 parts 1 & 3 : 1994. Standards Licence No.986.

Perma-Glas STD

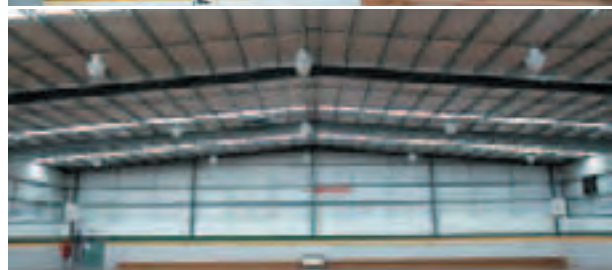
- Incorporates tough polyester film that prevents reinforcing fibres becoming exposed at the surface for 5 years.
- A maximum 30% light transmission loss
- 15 year warranty for water penetration
- 5 year warranty for light transmission

Perma-Glas XL

- Improved light transmission over a long period of time
- Improved durability as surface erosion is reduced
- Improved resistance to yellowing and discolouration
- 20 year warranty for water penetration
- 10 year warranty for light transmission

Perma-Glas ULTRA

- Excellent long-term light transmission
- PVF film offers high resistance to yellowing and discolouration
- 20 year warranty for water penetration
- 15 year warranty on light transmission



PERMA-GLAS

industrial

Cool-lite Premium Industrial Grade Heat Reduction Sheeting

Scientific tests conducted by a NATA laboratory prove the effectiveness of 'Cool-lite GC' fibreglass sheeting in providing cost effective, diffused lighting while controlling heat transmission. The tests show light transmission of 38%, with total heat transmission of just 23.5%.

Cool-lite is premium grade sheeting with the same UV resistant gel coated surface as 'Wonderglas GC'.

Now you can turn the most powerful light source in the universe into the most effective, low cost, low temperature workplace lighting. Cool-lite can be made fire retardant.



COOL-LITE
PREMIUM GRADE **FR** GEL COATED

SR76 Smoke Reduced Industrial Grade Fire Retardant Fibreglass Sheeting

A laboratory test report showing results when tested in accordance with AS 1530.3 1989 is available on request.

The fire retardant acrylic modified resin and colouring agents used in manufacture are the very best available, resulting in a very durable product. 'SR76' retains its light transmitting capability even better than standard fibreglass sheeting and has even longer life. Complies with AS/ NZS 4256 .3 This product can also be manufactured to incorporate the additional benefits of 'Cool-lite GC' and 'Wonderglas GC' sheeting.



**SR76 SMOKE REDUCED
FIRE RETARDANT**

Webglas GC Woven Mat Reinforced Fibreglass Sheeting

This product is manufactured in 3660 g/m² weight with the resin reinforced by heavy woven matting. The result is an extremely strong translucent panel that is trafficable and does not require safety mesh below.

Its many advantages, and high chemical resistance, make 'Webglas GC' ideal for installation in fertiliser plants and storage facilities. Other installations include public buildings and situations where it may be possible to gain access to the roof. 'Webglas GC' is an Ampelite premium grade sheeting that incorporates the same highly UV resistant gel coated surface as 'Wonderglas GC'.



WEBGLAS GC

industrial

ClearSlide Sheet Strip-Clip System

Faster, easier, installation with ClearSlide unique profile fibreglass sheet strip-clip system. The patented ClearSlide fixing clips provide many advantages over normal installation procedures, and also allows the combination of metal roll form decking and fibreglass skylighting over long lengths. No longer are two very different materials screwed together in the hope that they will interact, without water ingress, or cause buckling (ocean waving) of the fibreglass. The ClearSlide roof is watertight and aesthetically pleasing. Ampelite ClearSlide System is manufactured to conform with AS/NZS 4256 parts 1 & 3 : 1994 and shall be installed in accordance with Ampelite fixing instructions in conjunction with AS/NZS 1562.3 : 1996, design and installation of sheet roof and wall cladding Part 3: Plastic.



CLEARSLIDE

Dual Roof Anti-Condensation Skylighting System

In today's environment of conservation and the reduction of energy consumption, the importance of environmentally friendly, cost effective, products is increasingly recognised.

The savings and benefits of natural daylight in the workplace and in recreational facilities can be maximised at a fraction of the cost of dual glazing with Ampelite's Dual Roof System. This system provides good, diffused natural light, eliminates condensation, reduces transmitted heat and can offer the benefits of increased insulation over conventional single skin fibreglass roof sheeting. Utilizing the performance benefits of Ampelite's Wonderglas GC as the top sheet, Dual Roof will provide long term cost savings with valuable benefits both to users and the environment.



DUAL ROOF

Ampelair Industrial Ventilators

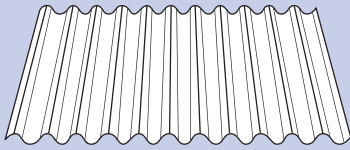
Ampelite have a wide range of ventilators and accessories for all purposes in zincalume® and aluminium. The industrial range is available in throat sizes from 150 mm to 600 mm. Ampelair vents are well engineered and manufactured, requiring very little maintenance even after years of service. Bearings are oversized in comparison to thrust loads and are prepacked with sufficient lubricant for years of operation. A range of bases - square to round and dampers are available.



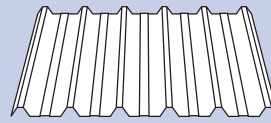
Ampelair

industrial

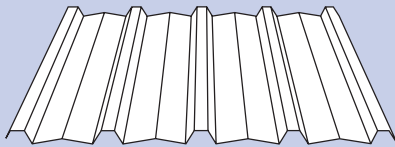
Industrial Profiles



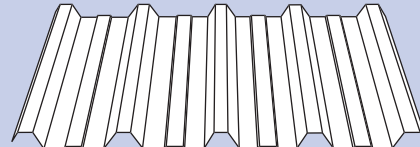
CORRUGATED Width: 870mm Cover: 760mm Height: 18mm



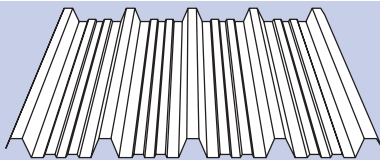
TRIMLINE Width: 820mm Cover: 740mm Height: 28mm



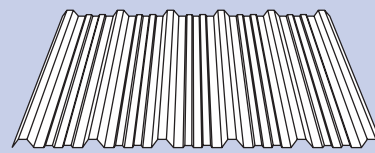
TRIMDECK Width: 840mm Cover: 760mm Height: 30mm



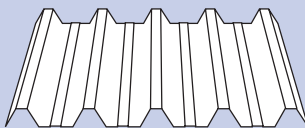
METCOM Width: 1022mm Cover: 930mm Height: 45mm



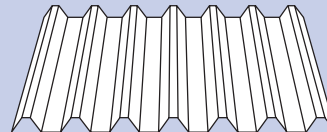
PLUMBDEK Width: 840mm Cover: 770mm Height: 27mm



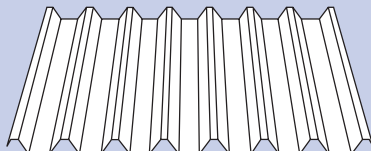
SIX RIB Width: 840mm Cover: 762mm Height: 23mm



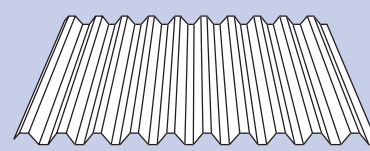
MULTISPAN/RIBSPAN Width: 990mm Cover: 900mm Height: 60mm



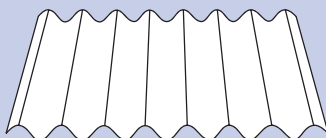
BB900 Width: 1000mm Cover: 885mm Height: 36mm



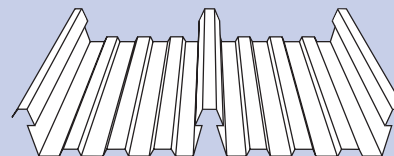
LT7 Width: 985mm Cover: 890mm Height: 38mm



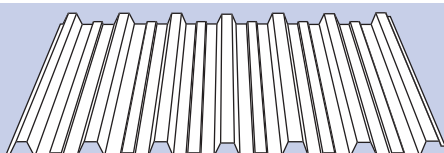
V RIB Width: 1018mm Cover: 900mm Height: 35mm



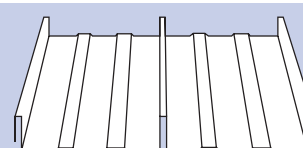
SUPER SIX Width: 1104mm Cover: 1000mm Height: 45mm



HI RIB Width: 525mm Cover: 500mm Height: 50mm



RIBLINE 960 Width: 1040mm Cover: 960mm Height: 29mm



DECKING Width: 430mm Cover: 406mm Height: 45mm

A list of other profiles is available on request

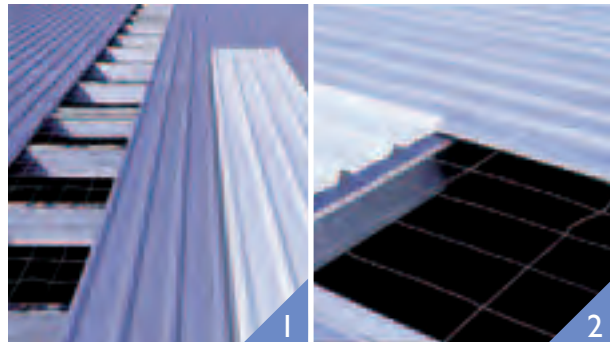
Installation of Industrial Fibreglass Sheeting

Installation must be strictly in accordance with AS/NZS 1562.3:1996 Design and installation of sheet roofing and wall cladding Part 3: Plastic and with Ampelite's recommendations and specifications. See basic instructions below and details beside illustrations.

How to Install

1. Complete fixing of the metal roof. The Ampelite sheets have overlaps on both sides that will fit directly over the steel.
2. Where wire safety mesh passes over the supporting purlin, directly under the fibreglass sheeting a 1.1 mm thick flat or profiled fibreglass protective strip must be used.
3. In roofing applications, fixings shall be fitted through the crest of any profile. To allow for the different expansion and contraction rates of steel and fibreglass over size fixing holes must be pre-drilled.
4. Drill oversize holes at least 3.5 mm larger than the screw shank. Contractors must ensure that the fixings are located in the centre of the oversize holes or the advantage of having the larger size holes is lost.
5. To ensure accuracy of oversize holes, install screws into fibreglass as for steel, then remove fixings from fibreglass and re-drill oversizing the hole.
6. Re-install fixing screw and Weatherlok 32 mm seal. Do not over tighten the screw and place undue pressure on the fibreglass sheet. The 32 mm Weatherlok seal is large enough to cover the oversize hole and are sufficiently flexible to contoured to the shape of the profile.
7. At all end laps between fibreglass and dissimilar materials, apply two lines of Ampelite self adhesive closed cell foam tape 25mm x 5mm shall be placed across the full width of the lap 150 mm apart with one line 25 mm from the end of the fibreglass sheeting.
8. Ampelite foam tape is recommended for the sealing of end laps as silicone sealants tend to bond sheets into continuous lengths preventing individual sheet movement.

1. Pre-drill oversize holes to allow for expansion and contraction of the sheet.
2. Use appropriate fixing assembly including a 32mm Weatherlok seal to ensure a firm, watertight seal.
3. Apply a protective fibreglass strip between safety mesh and fibreglass sheet at every purlin support.
4. For all end lapping, apply 2 strips of Ampelite self adhesive closed cell foam strip 3mm x 25mm.
5. Store sheets in a dry and fire safe area. Do not



Spanning of Popular Profiles

Product: Ampelite Industrial and Premium grade Fibreglass Sheeting. Manufactured to AS2376 part 2, Type SC Standards Licence No.SMKB20116

Ampelite sheeting shall be installed in accordance with Ampelite fixing instructions and with AS/NZS 1562.3:1996, Design and installation of sheet roof and wall cladding, Part 3: Plastic.

The spanning charts below are a representation of some of the current profiles that Ampelite has available in New Zealand. Please contact your local Ampelite sales office for a full list of profiles.

Series	Wind loads up to 1 KPA					Drape Curve Radius	
	1800	2400	3050	3660	4270	1800	2400
Corrugated	1200	1400	1500	1600	-	4	5
Sixrib	1200	1400	1500	1600	-	5	6
5 Rib	1400	1700	1900	2100	2300	8	9
Trimline	1400	1700	1900	2100	2300	8	9
MC700, MC750, MC770	1400	1700	1900	2100	2300	8	9
Metric, Windek, MC1000	1400	1700	1900	2100	2300	8	9
Ribline 960	1400	1700	1900	2100	2300	12	14
Steelspan, Topspan	1800	2000	2300	2600	2900	16	18
Multispan, MC930, Maxispan	1800	2000	2300	2600	2900	16	18
LT7, ST7, Silbery	1600	1900	2100	2400	2700	12	14
BB900, ST900, Multirib	1600	1900	2100	2400	2700	12	14
400 Decking	1200	1400	1700	2000	2300	16	18
Kilplok 400	1400	1700	1900	2100	2300	16	18
Supersix	1800	2000	2300	2600	2900	16	18

maximum radius in metres

Series	Wind loads up to 1.5 KPA					Drape Curve Radius	
	1800	2400	3050	3660	4270	1800	2400
Corrugated	1000	1200	1300	1400	-	4	5
Sixrib	1000	1200	1300	1400	-	5	6
5 Rib	1200	1500	1700	1900	2100	8	9
Trimline	1200	1500	1700	1900	2100	8	9
MC700, MC750, MC770	1200	1500	1700	1900	2100	8	9
Metric, Windek, MC1000	1200	1500	1700	1900	2100	8	9
Ribline 960	1200	1500	1700	1900	2100	12	14
Steelspan, Topspan	1600	1800	2100	2400	2700	16	18
Multispan, MC930, Maxispan	1600	1800	2000	2300	2600	16	18
LT7, ST7, Silbery	1400	1700	1900	2200	2500	12	14
BB900, ST900, Multirib	1400	1700	1900	2200	2500	12	14
400 Decking	1200	1400	1700	2000	2300	16	18
Kilplok 400	1200	1500	1700	1900	2100	16	18
Supersix	1600	1800	2100	2400	2700	16	18

maximum radius in metres

For information regarding recommended spans in high wind and cyclonic regions please contact your local Ampelite branch.

Physical Properties

Tensile strength	(Min. requirement 50 MPa)	80 MPa
Impact strength		8 Joules
Shear Strength		90 MPa
Modulus of elasticity		5500 MPa
Compressive strength		135 MPa
Flexural strength		150 Mpa
Specific gravity		1.45
Thermal expansion		3.0×10^{-5} cm/°C
Thermal conductivity		158 watt/m°C
Water absorption		.2% in 24 hours/26°C
Recommended service temperature:		range -20°C to +96°C

Quality

All Ampelite Permaglas and 'Wonderglas GC' premium grade industrial sheeting is manufactured to AS/NZS4256.3:1994, Licence No. 5MKB20116.

Ampelite is an AS/NZS ISO 9002 Quality Endorsed Company Licence QE4787.

Wonderglas GC has highly UV resistant Gel Coat surface protection which gives superb performance with minimal loss of light transmission and surface erosion. Additionally the gel coat surface, provides resistance to a wide range of common chemicals. Wonderglas GC is covered by a 25 year warranty.

Hail Resistance

Ampelite warrant series 1800 (and upwards) Permaglas industrial fibreglass sheeting against damage from hail up to 20 mm in diameter accompanied by winds up to 100 km/hour for 5 years. Premium grade gel coated sheeting is covered for 10 years.

Fibreglass has Excellent Stability

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	5.8mm	11.5 mm
Thermal co-efficient	3.0×10^{-5} cm/cm °C	6.75×10^{-5} cm/cm °C	1.2×10^{-5} cm/cm °C	2.4×10^{-5} cm/cm °C

Grades

Series	2400	3050	3660	4270	4880
Weight (kg/m ²)	2.4	3.05	3.66	4.27	4.88

Light and Heat Transmission

Colour	Series	Light	Heat
Ice Clear	1800	80%	78%
Opal	1800	60%	58%

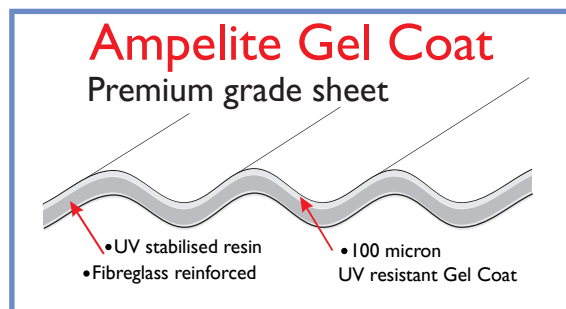
For details of other weights please ask your local Ampelite office.

Ampelite Benefits

Ampelite is Australasia's largest and most experienced producer of industrial fibreglass sheeting. The modern factory is equipped with an automatic plant to ensure continuous production and uniform quality. The highest grade materials and the world's latest resin technology are used in manufacture.

Management and key staff have long and continuous involvement in the industry. This is your assurance of a quality product and informed product support.

The Ampelite plant also includes a facility for integration of a highly UV resistant gel coat with the base sheet. This revolutionary gel coated fibreglass product is much superior in performance to products utilising surface coat film of any type.

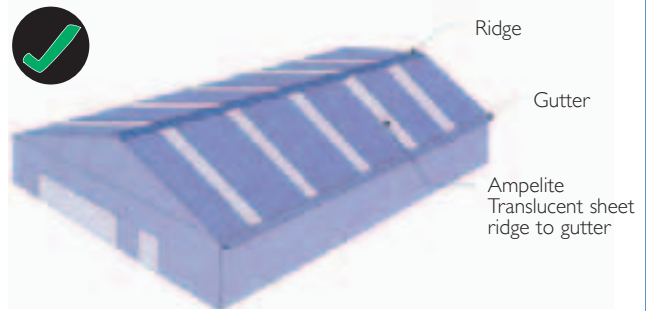


The performance of Wonderglas GC gel coated sheeting is well proven in many major New Zealand and Australian projects. Wonderglas GC is the first ever translucent sheeting designed expressly to combat New Zealand's and Australia's very harsh environment and chemical exposure. Entire fertiliser plants are clad with gel coated woven mat reinforced fibreglass – 'Webglas GC' which is also an Ampelite product.

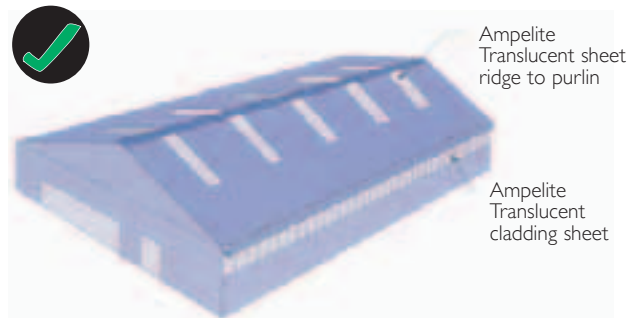
Design Considerations

Examples of good translucent roofing design

For maximum light and weather proofing, installing the fibreglass skylighting continuously from the ridge to the gutter is the preferred design.



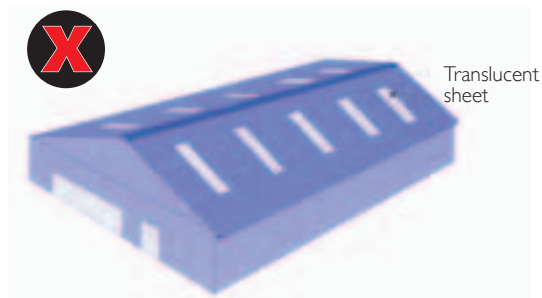
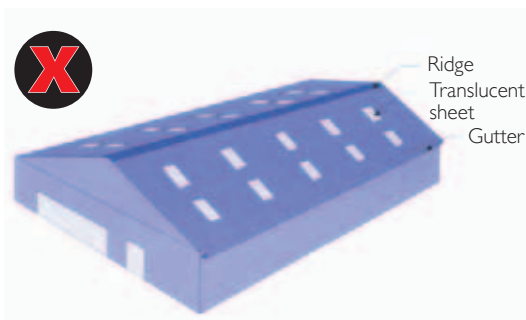
Ridge to purlin installation is also a sound way to achieve good weatherproofing. As there is less skylight area than in ridge to gutter installations the amount of light transmitted is not as great but this can be compensated for by using continuous Ampelite cladding.



A variation of ridge to purlin installation incorporating Ampelite wall cladding, is to install longer cladding sheets at the same intervals as the roofing skylights.



Avoid these examples of poor design



Energy Savings

Ask your Ampelite Office for latest information.

Fixings and Accessories for Fibreglass and Polycarbonate

Fixing Screws and Seals

Description	Pack Size	Used With
10x45 Phillips Zinc Screw and Seal	24/24	Suncall
10x25 Phillips Zinc Screw and Seal	24/24	Suncall
10x50 Multidrive C4 Screw and Seal	50/50	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
12x25 Hexdrive C4 Screw and Seal	50/50	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
12x65 Hexdrive C4 Screw and Seal	25/25	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
10x65 Stainless Steel Screw and Seal	25/25	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
Clearfix 12x50 C4 Screw and Seal	50/50	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
10x50 Multidrive C4 Screw and Seal Bulk Pack	200/200	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
26mm Grey Dome Seal	100	Sun Clear, Corriglas, WonderGlas GCP, Solasafe
36mm Weatherlok Seal	100	Perma-Glas, WonderGlas GC
Clearfix Industrial 12 x 65 C4 Screw and Seal	500	Perma-Glas, WonderGlas GC

Profiled End Closure Strips	Cover	Quantity
Corrugated	915 mm	One
Corrugated	915 mm	Dual Pack
Trimdek – Top	760 mm	One
Trimdek – Bottom	760 mm	One
Greca	750 mm	One
Greca	750 mm	Dual Pack



Other profiles available on request.

Sealants

SEAL-ONCE Silicone Sealant and **TREMfill Silicone Sealant** are special sealants compatible with Polycarbonate and are also ideal for use with all translucent sheeting.

Never use other types of sealants on Polycarbonate as they weaken the sheet and cause fractures.

Anti-noise Tape for Polycarbonate

Self adhesive White Strip 25 mm wide x 3 mm x 20 metres per roll

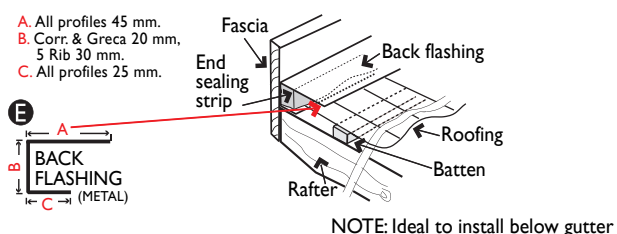
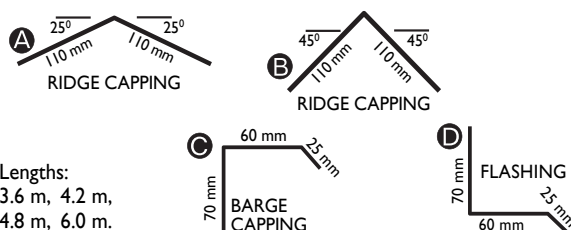
End Lap Tape

Black – 25 mm wide x 5 mm x 20 metres per roll

Purlin Protection Strips

Profiled and flat fibreglass strips

Polycarbonate Accessories - Capping and Flashing



www.ampelite.co.nz



Head Office

Ampelite New Zealand Ltd.
79 Captain Springs Rd, Onehunga, Auckland.
P.O. Box 13-090 Onehunga, Auckland.
Tel. 09 634 5366 Fax 09 622 2060
Freephone 0800 267 354

Central

16 Noel Rodgers Place
Palmerston North
Tel. 06 356 5936
Fax 06 356 5937

South Island

42 Mandeville St, Riccarton
Christchurch
Tel. 03 341 7371
Fax 03 341 7372