

Experienced growers know that quality light transmission equals healthy growth.

Ampelite's range of cladding solutions offer you the latest technical developments that will help you grow in the most challenging environments.



Distributor
GE Advanced Materials
Specialty Film & Sheet



Quality
Endorsed
Company

www.ampelite.com.au

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Ampelite Greenhouse Portfolio

| Product | Gauge | Weight | Colour | K-Value | Light Transmission | Max Span | Warranty* |
|--------------------------|-------|-----------------------|-----------------|-------------------------|--------------------|----------|-----------|
| LEXAN Thermoclear Sun XP | 6mm | 1.30kg/m ² | Clear | 3.5 W/m ² .K | 82% | 1.0m | 15 Years |
| LEXAN Thermoclear Sun XP | 8mm | 1.50kg/m ² | Clear | 3.3 W/m ² .K | 82% | 1.2m | 15 Years |
| LEXAN Thermoclear Sun XP | 10mm | 1.70kg/m ² | Clear | 3.0 W/m ² .K | 84% | 1.5m | 15 Years |
| LEXAN Zig Zag | 66mm | 4.08kg/m ² | Clear | 2.7 W/m ² .K | 90.10% | 2.56m | 10 Years |
| Solasafe Polycarbonate | 0.8mm | 1.08kg/m ² | Clear | 6.5 W/m ² .K | 89% | 1.0m | 10 Years |
| Wonderglas GC | 1.4mm | 2.44kg/m ² | Natural Clear | 5.8 W/m ² .K | 84% | 2.0m | 25 Years |
| Wonderglas GC | 1.4mm | 2.44kg/m ² | Greenhouse Opal | 5.8 W/m ² .K | 81% | 2.0m | 25 Years |
| Wonderglas GC | 1.2mm | 1.8kg/m ² | Natural Clear | 5.8 W/m ² .K | 85% | 1.5m | 25 Years |
| Wonderglas GC | 1.2mm | 1.8kg/m ² | Greenhouse Opal | 5.8 W/m ² .K | 82% | 1.5m | 25 Years |
| Wonderglas GC Dual Roof | 23mm | 3.2kg/m ² | Natural Clear | 2.0 W/m ² .K | 82% | 2.0m | 25 Years |

* Please contact nearest Ampelite office for full warranty details

AMPELITE
Makes light work!

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Lexan* Thermoclear* multiwall sheet

GE Advanced Materials' Lexan Thermoclear sheet range combines the impact strength and superior light transmission of polycarbonate, with excellent thermal insulation and spanning capabilities. Lexan Thermoclear sheet features a proprietary UV surface treatment that is superior to traditional UV protective technologies.

- > Outstanding hail impact resistance.
- > Comprehensive written warranties.
- > UV protected glazing profiles.
- > Easily curved.
- > Excellent thermal insulation.
- > Light weight.
- > Minimal glazing bars for maximum light transmission.
- > Customised coatings and gauges.

Superior Weatherability

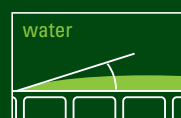
Lexan Thermoclear SunXP sheet, in addition to the inherent properties of the Lexan Thermoclear Plus range, offers UV protection as standard on both sides, but with even higher resistance to UV radiation, yellowing and loss of light transmission. Lexan Thermoclear SunXP sheet comes with a 15 year written limited warranty.

Anti-Drip

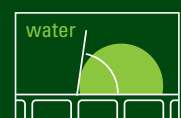
Lexan Thermoclear Drippard sheet features a specifically developed hydrophilic coating on the inner surface which reduces the formation of condensation droplets, thus helping to prevent crop spoilage in commercial greenhouses. This coating technology can be combined with either the Lexan Thermoclear Plus sheet, Lexan Thermoclear SunXP sheet or Lexan Thermoclear Easy Clean sheet.

Self-Cleaning

Lexan Thermoclear Easy Clean sheet is the world's first self-cleaning polycarbonate sheet. UV protected on both sides, Lexan Thermoclear Easy Clean sheet features a unique hydrophobic coating on the outside surface that reduces the surface tension of polycarbonate and increases the contact angle of water to the sheet. This causes large droplets to form and wash away dirt, leaving the sheet almost spotless. Furthermore it stays clean longer, thereby improving light transmission levels and reducing the frequency and the associated cost of cleaning.



Lexan Thermoclear Drippard sheet: hydrophilic contact angle of 66°



Lexan Thermoclear Easy Clean sheet: hydrophobic contact angle of nearly 100°

A. Pelizzer, Dumont Rose Gardens, Glenorie, NSW

* Trademarks of the General Electric Company.

Wonderglas GC premium polyester sheeting

Greenhouse growers often believe that it is easier to grow moss on top of a fibreglass greenhouse than plants inside it! Fibre-show" has plagued the perceptions of fibreglass for years. Ampelite's revolutionary Wonderglas GC however, is set to change how the world see's fibreglass.

Wonderglas GC features a unique gel coating which prevents fibre-show and maintains high levels of light transmission for many years.

- > Spans up to 2 metres.
- > Unique greenhouse profile available.
- > Customised light transmission figures available.
- > Maximum durability.
- > Easily curved for superior greenhouse design.
- > Maintains light transmission.
- > 25 year warranty against "Fibre-show".



Lexan* Zig Zag* sheet systems

Exceptional light transmission Lexan Zig Zag sheet system's unique profile provides an outstanding combination of light transmission and thermal insulation making it the ultimate in greenhouse cladding technology.

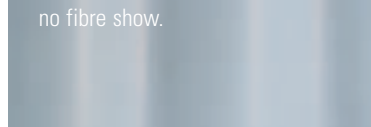
- > Light transmission higher than single glass: 90.9%.
- > More light during winter months.
- > Energy savings of 20 to 45% versus single glass.
- > Fast and easy to install: no support profiles needed.
- > Hail resistant and virtually unbreakable greenhouse roofing material.
- > Anti-fungal and Drippard coatings applied.

* Trademarks of the General Electric Company.

Fibreglass sheet
10 years north facing exposure,
surface eroded and fibres exposed.



Wonderglas GC sheet
10 years north facing exposure
surface smooth and intact
no fibre show.



"I first experimented with Wonderglas GC in 1995. To date, I have been more than satisfied with the product living up to claims that the "gel coating" would prevent the sheet from eroding, whilst maintaining light transmission over a long period of time. We now have over 3 acres of Wonderglas GC on a range of buildings from propagation sheds to growing sheds."

F. Hart, Hart's Nursery, Rochdale, QLD



Solasafe Polycarbonate profiled polycarbonate sheeting

Polycarbonate is a long-established greenhouse cladding material. Its superior impact strength and ability to maintain extremely high light transmission levels make it an excellent greenhouse cladding material.

- > Superior hail resistance.
- > Maximum light transmission.
- > Anti-Drip coatings and specialised profiles available.
- > Easily curved for superior greenhouse design.
- > 10 year warranty.

"After many years of frustration with using film on the walls of my lettuce-growing greenhouses, I experimented with Solasafe polycarbonate as a cost-effective alternative. In the 8 years it has been there, I haven't had to worry about it! I am now using Solasafe to replace film on the walls of all my greenhouses!"

P. Mifsud, Paulmar Hydroponics, Geelong, VIC

