

The logo for AMPeLite, featuring the word 'AMPeLite' in a stylized, bold, blue font with a white outline. The 'A' is particularly large and angular. The background of the entire advertisement is a photograph of a large industrial building under construction, showing a complex steel framework and a partially installed roof structure.

World class Fibreglass Technology

Revolutionary Webglas GC solves roofing problems in highly corrosive environments!

'Webglas GC' polyester sheeting is reinforced with heavy gauge woven web matting that acts as a built-in safety mesh. 'Webglas GC' fully complies, without restriction, to the requirements of Class 2 to Class 9 buildings of the Building Code of Australia.

WEBGLAS GC

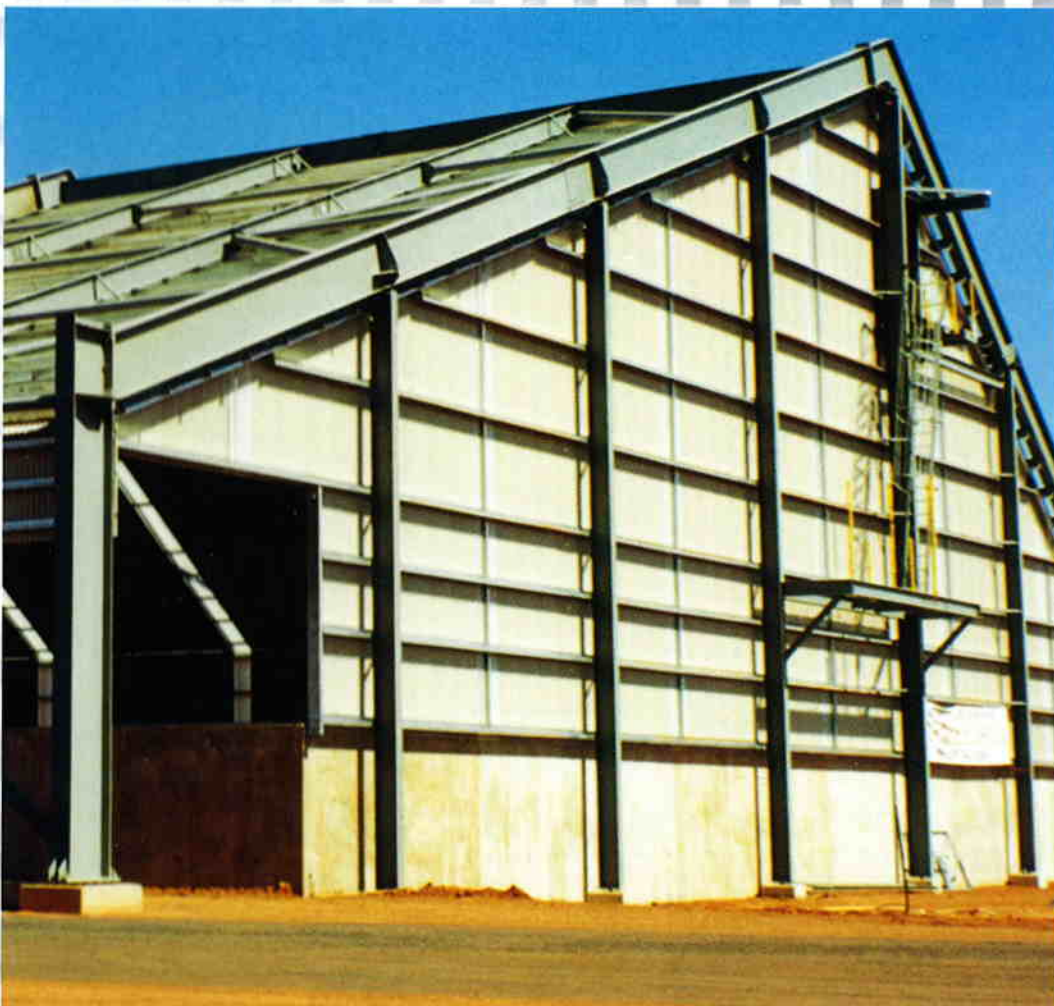
With a 20 Year Warranty.

Why Webglas GC provides superior performance and durability to traditional building products.

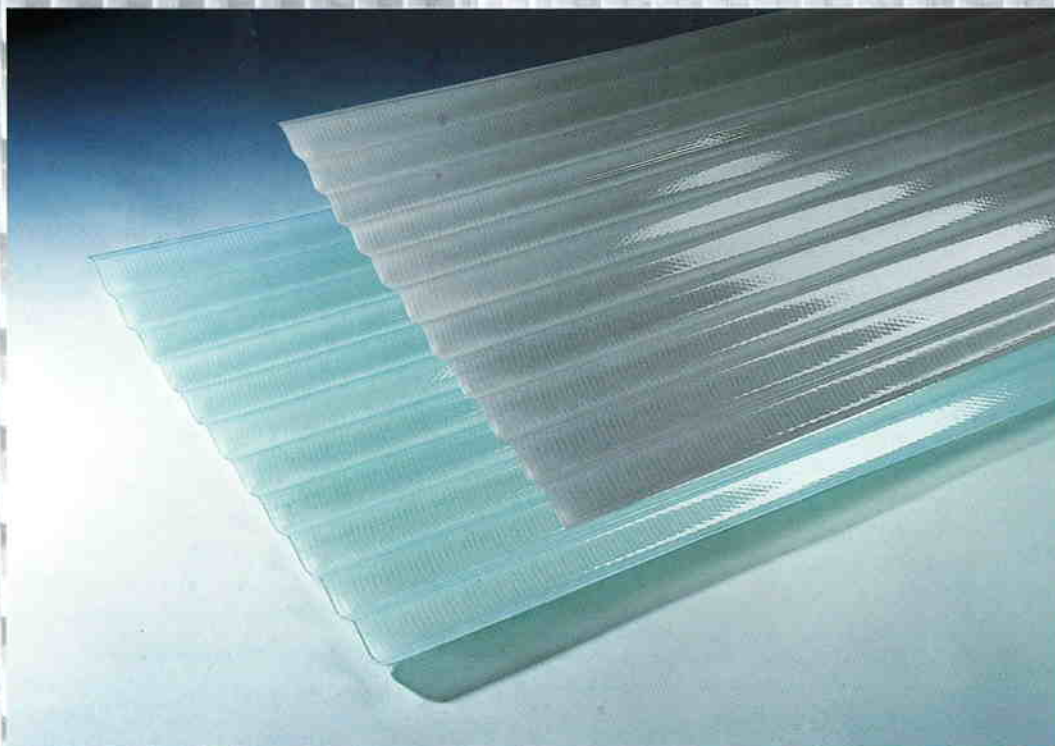
'Webglas GC' (GC = gel coated surface) is proving its worth in buildings where metal and other roofing or wall cladding materials deteriorate or corrode at an unacceptable rate. The sheet weight is 3660 grams per square metre and embodies a heavy gauge woven glass mat which provides continuous reinforcement in every direction. The overall strength is such, that wire safety mesh is not required. This is a particularly important benefit in aggressive and corrosive environments that can quickly destroy metal.

Where corrosion resistance is vital, complete buildings may be clad and roofed with 'Webglas GC' which can be 100% opaque, or translucent to transmit natural light. For extreme environments, where high levels of acids or alkalines may occur, 'Webglas GC+' which incorporates vinyl ester resins, will provide additional protection. What really sets Webglas apart from traditional building materials is its combination of strength, resistance to a wide range of chemicals and low surface erosion. The Warranty covers surface erosion for 20 years

The special resin technology used in the highly UV resistant surface coating is the same as that used for Ampelite's premium grade 'Wonderglas GC', now very widely used in major projects around Australia. 'Webglas GC' therefore provides low maintenance roofing and cladding guaranteed for a specific lifetime.



Ammonium Suphate Storage Building. Murrin Murrin Nickel Mine, W.A.



Opaque and translucent panels

Stability

Material Comparisons

	Webglas GC	Fibreglass	Polycarbonate	P.V.C.	Steel	Aluminium
Thermal Expansion 0°C to 40°C temperature variation. Based on a sheet length of 12 metres.	9.1 mm	14.4 mm	32.4 mm	30.2 mm	5.8 mm	11.5 mm
Thermal co-efficient	1.9 x 10 ⁻⁵ cm/cm °C	3.0 x 10 ⁻⁵ cm/cm °C	6.75 x 10 ⁻⁵ cm/cm °C	6.3 x 10 ⁻⁵ cm/cm °C	1.2 x 10 ⁻⁵ cm/cm °C	2.4 x 10 ⁻⁵ cm/cm °C
Thermal conductivity	0.096 W/m.K	0.158 W/m.K	0.21 W/m.K	0.15 W/m.K	47.5 W/m.K	23.5 W/m.K
Density	1685 kg/m ³	1400 kg/m ³	1200 kg/m ³	1380 kg/m ³	7850 kg/m ³	2850 kg/m ³

Span and Fastener Table

Sheet application			Skylight Strip		*Complete Roof
Profile	Fastener Spacing	No. of Fixings M ²	1.0 kPA	2.0 kPA	Maximum
Corrugated.	every 2nd crest	6.5	1.9 m	1.5 m	1.5 m
5 Rib	every crest	5.2	2.1 m	1.6 m	1.7 m
Spandek	every 3rd crest	3.8	2.2 m	1.6 m	1.6 m
Super 6	every 2nd crest	3.3	2.6 m	2.0 m	2.1 m
LT7	every 2nd crest	3.9	2.1 m	1.6 m	1.7 m
Box Rib 5	every crest	5.4	2.2 m	1.8 m	1.9 m

*Maximum span for complete 'WebglasGC' roof, allowing for concentrated load as per AS1170.2

Standards

Webglas GC and GC+ fully comply with the Building Code of Australia, Class 2 to 9 Buildings, including Part B1 which takes into account Australian and New Zealand Standards AS1170.2:1989, AS/NZS 4256.3:1994, AS/NZS 1562.3:1996, AS4040.1:1992.

Fire Retardant Properties

Webglas GC and GC+ fully comply with Building code specification C1.10 in particular AS1530.3 1989.

