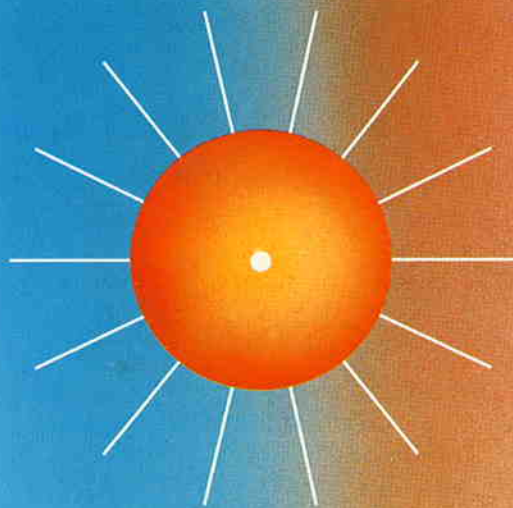




# COOL-LITE

PREMIUM GRADE  GEL COATED

translucent roofing  
provides diffused light,  
reduces heat, saves  
energy costs.



## Proved by tests.

Scientific tests conducted by Vipac Engineers & Scientists Ltd. NATA approved laboratory prove the effectiveness of 'Cool-lite GC' translucent fibreglass sheeting in providing good diffused lighting while controlling heat transmission.

The test report shows light transmission of 38%, while total heat transmission is just 23.5%.

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

Now you can turn the most powerful light source in the Universe into the most effective, low cost, low temperature workplace lighting. The full test reports are available from Ampelite.

A special purpose product by

# AMPELITE

Makes light work!

Essendon Mitsubishi, Moonee Ponds, Victoria.





## Cool-lite provides cost and comfort benefits.

Factories, supermarkets, warehouses, shopping centres, schools, gymnasiums and sports stadiums are prime examples of buildings where heat reduction sheeting is beneficial. In fact, in most single level buildings 'Cool-lite GC' provides natural, diffused light that can replace, or supplement energy hungry electric illumination. If existing fibreglass sheeting is replaced with 'Cool-lite GC', transmitted temperatures and glare are reduced, and airconditioning efficiency is improved.

All current and most superseded roofing profiles are available and there are no width restrictions. The special resins and colouring agents used by Ampelite are the best available, resulting in a very durable product. Both discolouration and scratch resistance are excellent, and 'Cool-lite GC' retains its great appearance with minimal maintenance.

Ampelite fibreglass reinforced polyester sheeting meets Australian Standard AS/NZS 4256 parts 1 and 3:1994. Weights available include 2400 g/m<sup>2</sup>, 3050 g/m<sup>2</sup>, 3660 g/m<sup>2</sup>. 'Cool-lite GC' can also be manufactured to incorporate the fire retardant properties of Ampelite 'SR76'.

- ▶ No profile or width restrictions.
- ▶ Reduces heat transmission.
- ▶ Provides natural diffused light.
- ▶ Reduces energy costs.

Nicholas Kiwi Pty Ltd, Clayton South, Victoria.



## Test Report summary.

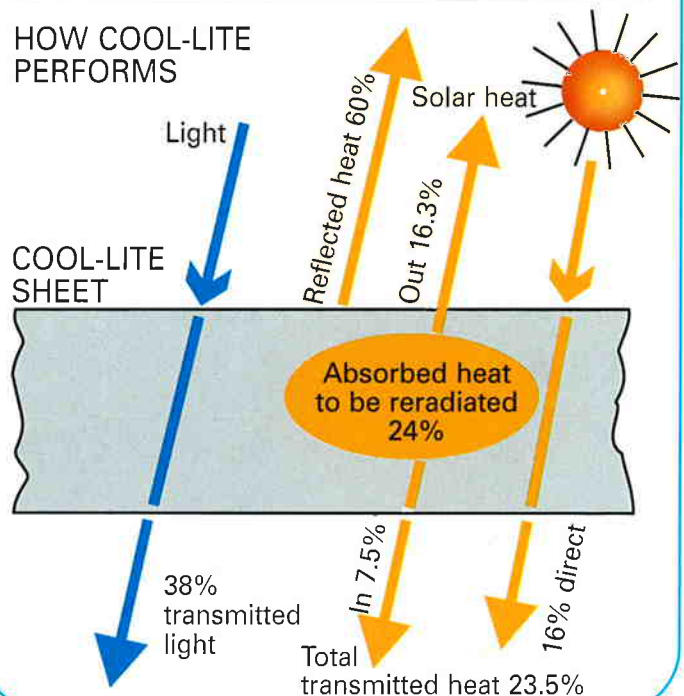
Light: Transmitted diffused light	38.0%
Heat: Total transmitted heat load	23.5%
Solar heat gain co-efficient:	0.237
Solar heat gain:	184 W/m <sup>2</sup>
Shading co-efficient	0.27

Note 1. Light transmission measured according to Australian Standard AS/NZS 4257 part 7:1994.

Note 2. Solar heat gain (ASHRAE F27.17) is the total admission of incoming solar radiation, including heat, ultraviolet, visible and infra-red components (based on an average summer day solar radiation of 782 w/m<sup>2</sup>).

Note 3. The shading co-efficient is the ratio of the solar heat gain of test sample to standard 3 mm thick glass.

### HOW COOL-LITE PERFORMS



### COOL-LITE SPECIFICATION EXAMPLE

"The translucent sheeting shall be 'Cool-lite GC' gel coated fibreglass reinforced polyester as manufactured by Ampelite Fibreglass Pty Ltd to comply with AS/NZS 4256 parts 1 and 3:1994. The weight of the sheet shall be \*2.4 kg/m<sup>2</sup> and be manufactured to conform with the nominated profile and colour. Installation shall be carried out 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.

\* Insert actual sheet weight required.



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