



COOL-LITE

PREMIUM GRADE  GEL COATED

TRANSLUCENT ROOFING



Kangan Institute – Broadmeadows VIC

Diffused light,
reduces heat and
saves energy costs

Proved by tests

Heat reducing fibreglass reinforced roofing.

Cool-lite is a special purpose premium grade gel coated roofing or cladding sheet, developed by Ampelite to provide very good diffused lighting while effectively controlling heat transmission.

Tests conducted by Vipac Engineers & Scientists Ltd show that Cool-lite sheeting permits 51% of available light to pass through to work areas, but traps or reflects 76.5% of associated heat.

On days when temperatures soar to 30°+ this represents a considerable benefit.

Harnessing the power of the sun, Cool-lite provides low cost, low temperature workplace lighting. The full test reports are available from Ampelite on request.





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All current and most superseded roofing profiles are available and there are no width restrictions.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. '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: 2006. Weights available include 2400 kg/m², 3050 kg/m², 3660 kg/m². 'Cool-lite GC' can also be manufactured to incorporate the fire retardant properties of Ampelite SR76.

AS/NZS 4256:3
Licence 986

Test report summary

Light: Total transmitted diffused light	51.0%
Heat: Total transmitted heat load	23.5%
Solar heat gain co-efficient	0.237
Solar heat gain	184 W/m ²
Shading co-efficient	0.27

Note 1. Light transmission measured according to Australian Standard AS/NZS 4257: 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/m²).

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

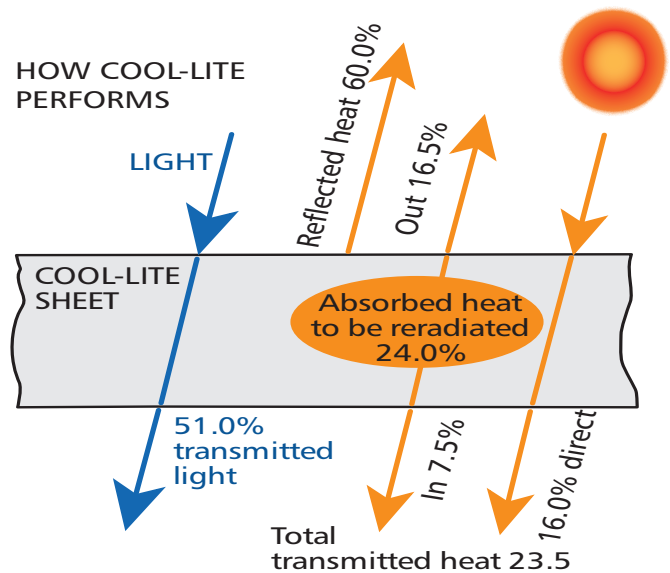


National Ice Sports Centre – Docklands VIC

COOL-LITE SPECIFICATION EXAMPLE

"The translucent sheeting shall be 'Cool-lite GC gel coated fibreglass reinforced polyester as manufactured by Ampelite Australia Pty Ltd to comply with AN/NZS 4256 parts 1 and 3: 2006. The weight of the sheet shall be *2.4 kg/m² and be manufactured to conform with the nominated profile and colour. The Installation shall be carried out in accordance with Ampelite fixing instructions and with AS/NZS1562.3: 2006, Design and Installation of sheet roof and wall cladding Part 3: Plastic.

*Insert actual sheet weight required.



Ampelite is proudly Australian owned and manufactured. Profits remain in Australia and taxes paid benefit our community.



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AS/NZS ISO 9001
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