



SUNLITE®

10mm Twin-wall Polycarbonate Sheet



Glazing



Construction



DIY



Advertising



Agriculture

► Introduction

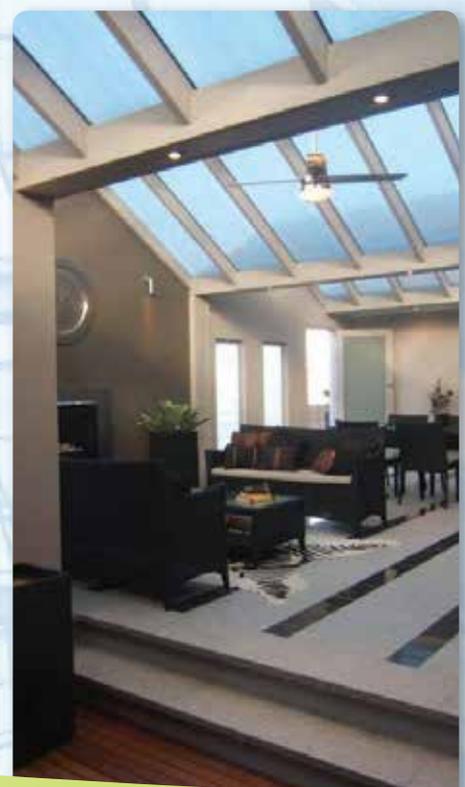
SUNLITE twinwall sheeting combines the strength of polycarbonate with superior insulation due to its cellular structure. SUNLITE is the only twinwall sheet available showcasing the Solarsmart technology, providing more light with less heat. Also standard is double sided UV protection, providing 99.9% protection of harmful UV and impact resistance 250 times that of glass. This combination makes SUNLITE the perfect material for both commercial and domestic structures such as pergolas, walkways, facades, skylights etc.

► Main Benefits

- High thermal insulation
- Lightweight and impact resistant
- High light transmission
- Excellent structural durability
- Weather and UV resistance
- Blocks virtually all UV radiation
- Easy to handle and install
- High fire performance rating

► Typical Applications

- Architectural roofing & glazing
- Skylights and sidelights
- Industrial roofing and glazing
- Residential roofing and glazing
- Conservatories
- Pergolas and facades
- Covered walkways
- Displays, signage and decorations
- Covered swimming pools
- Agricultural greenhouses



► Standard Colours*

Colour	SC	SHGC	%LT	U Value
Clear	0.80	0.80	80	2.9
Grey	0.42	0.37	20	2.9
Opal	0.47	0.54	30	2.9
Bronze	0.64	0.55	35	2.9

► Solar Control Colours*

Solar Control Grey	0.41	0.36	25	2.9
Solar Ice	0.40	0.35	20	2.9

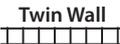
* Solar properties data corresponds to ASTM-1003 standard.

* Other options are available upon request. Minimum lead times & quantities apply.

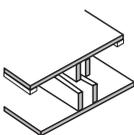
SC = Shading Co-efficient SHGC = Solar Heat Gain Co-efficient

LT = Light Transmission HT = Heat transmission

► Standard Dimensions

Structure	Thickness	Area Weight	U-Value	Standard Width	Standard Lengths
	mm	Kg/m ²	W/m ² °K		
 Twin Wall	10	1.7	2.9	980	1, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0, 9.0

► Installation 2 Piece Joiner



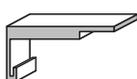
2 Part H Joiner 50mm
(base and cover)



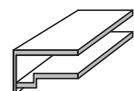
Captive Wedge



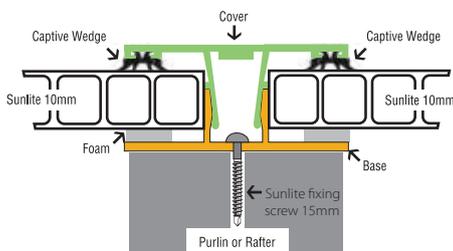
Foam Roll



End Cap Lock



Sheet End Cap (vented)

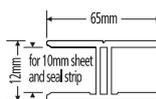


► Typical Physical Properties

Property	method*	Condition	Units	Value
Density	D-792		g/cm ³	1.2
Heat deflection temperature (HDT)	D-648	Load: 1.82 MP	°C	135
Service Temperature - Short term			°C	-50 to +120
Service Temperature - Long term			°C	-50 to +100
Co-efficient of linear thermal expansion	D-696		mm/mm °C	6.5x10 ⁻⁵
Tensile strength at yield	D-638	10 mm/min	MPa	62
Elongation at break	D-638	10 mm/min	%	>90
Impact falling dart	ISO 6603/1		J	40-400
Practical thermal expansion/contraction			mm/m	3

*ASTM except where noted otherwise.

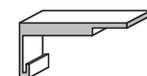
► Installation 1 Piece Joiner



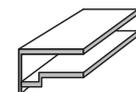
1 Part H Joiner 65mm



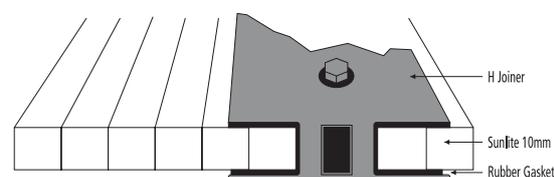
Rubber Gasket



End Cap Lock 65mm



Sheet End Cap (vented)



Please visit PALRAM Australia website www.palram.com.au for installation instructions and components



PALRAM SA/NT

517A Cross Keys Road
Cavan SA 5094
Tel: (08) 8262 2288
Fax: (08) 8262 3388
salessa@palram.com

PALRAM NSW/ACT

Unit 2 / 26 Redfern Street
Wetherill Park NSW 2164
Tel: (02) 8788 6100
Fax: (02) 8788 6199
salesnsw@palram.com

PALRAM QLD

Unit 9C / 380 Bilsen Road
Geebung QLD 4034
Tel: (07) 3172 5581
Fax: (07) 3172 5516
salesqld@palram.com

PALRAM VIC/TAS

34 Buys Court
Derrimut VIC 3030
Tel: (03) 9219 4444
Fax: (03) 9219 4455
salesvic@palram.com

PALRAM WA

74 Christable Way
Landsdale WA 6065
Tel: (08) 9302 4173
Fax: (08) 9302 5287
saleswa@palram.com

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