



Overview

SUNSKY® Trimdeck contribute to the conservation of energy and improve the quality of the working environment. They stand up to demanding exterior usage and offer multiple advantages over alternatives.

SUNSKY® Trimdeck are designed for use as in-plane rooflights and sidelights with profiled metal roofs. Advanced profile matching technology enables integration with virtually any metal profile.

SUNSKY® panels form a complete shield against harmful UV rays while admitting most of the visible light. Clear panels allow maximum light in, while a range of colors and diffusions offer various solar transmission options and reduced heat loads.

Main Benefits

- 1.25mm thickness
- Virtually unbreakable
- Self extinguishing
- Maintains high light transmission far better than alternative materials
- Wide service temperature range (-50°C to 120°C)
- Easily and safely installed
- Ten year warranty
- Hail and wind resistant
- Filters over 99% of UV radiation

Typical Applications

- Skylights for metal roofs
- Sidelights for metal walls

Load (kpa)	End Span	Mid Span
1.00	1350	1800
1.25	1275	1700
1.50	1200	1600
1.75	1125	1500

*Tested to AS/NZS 4040.4-2006 (sandbag test) to the requirements of AS 1562.3 2006



Skylight Application 1.25mm thick panel



SUNSKY® Trimdeck Premium

Colours*

Colour/Type	%LT	%Haze	Colour/Type	%LT	%Haze
Clear	90	<1	Diffuser	85	100
White Opal	35	100	Diffused Ice	25	100

* Light transmission data conforms to ASTM D-1003 standard

Systems and Accessories

Self drill screw 65mmX14g



Top & Bottom Foam Infills



Butyl Rubber



Cyclon washer with EPDM gasket



Stitching screws 6.35mm x 19mm (¼"x ¾") self-tapping screw with 19mm washer



Clearfix screw



SUNSKY® Product Range

Product	
SUNSKY®	Corrugated polycarbonate sheet with UV protection on one side
SUNSKY® UV2	With UV protection on both sides
SUNSKY® Embossed	Embossed or Hair Cell finish on one sides
SUNSKY® Plus	For greenhouse covering, with anti-condensation treatment
SUNSKY® Solar Control	With effective heat blocking
SUNSKY® Smart	Advanced heat blocking with high clarity

Visit www.PALRAM.com.au

To learn more about SUNSKY® Skylights and other Palram products, please visit www.palram.com.au

Typical Physical Properties

Property	Method*	Conditions	Units	Value
Density	D-792		g/cm ³	1.2
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 MPa	°C	135
Service Temperature Range (Short term)			°C	-50 to +120
Service Temperature Range (Long term)			°C	-50 to +100
Coefficient of linear thermal expansion	D-696		cm/cm°C	6.5 x 10 ⁻⁵
Thermal conductivity	C-177		W/m K	0.21
Tensile strength at yield	D-638	10 mm/min	MPa	62
Tensile strength at break	D-638	1 mm/min	MPa	65
Elongation at yield	D-638	10 mm/min	%	6
Elongation at break	D-638	10 mm/min	%	>70
Tensile modulus of elasticity	D-638	1 mm/min	MPa	2,300
Flexural strength mechanical	D-790	1 mm/min	MPa	93
Flexural modulus	D-790	1.3 mm/min	MPa	1,890
Rockwell hardness	D-785		R Scale	118
Light transmission	D-1003	Clear sheet	%	90%
Haze	D-1003	Clear sheet	%	<0.5
Yellowness index	D-1003	Clear sheet	YI	<1

* ASTM method except where noted otherwise

Flammability

SUNSKY® has a low flammability rating and does not emit toxic gasses when burning.

Standard	Classification*
EN13501	B, s1, d0
NFP 92501, 4, 5	M-1
DIN 4102	B-1
UL 723	4.7, 47.0
Los Angeles Building Code UNI 9177, 9176	CC2 (Section 2603) Class 2

* For additional information please contact your PALRAM distributor

UV Blocking and Resistance

SUNSKY® transmits radiation selectively and completely shield against harmful UV (ultraviolet) rays. SUNSKY itself withstands the detrimental effects of UV radiation, as specified in the SUNSKY warranty.



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