



SUNTUF® Trimdeck Premium

Longer Span - Stronger impact - More Light



Overview

SUNTUF® 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.

SUNTUF® 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.

SUNTUF® 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



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Colours*

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

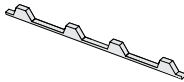
* Light transmission data conforms to ASTM D-1003 standard

Systems and Accessories

Self drill screw 65mmX14g



Top & Bottom Foam Infills



Butyl Rubber



Cyclon washer with EPDM gasket



Stitching Screws (Grommet seals) with EPDM seal



Stitching screws 6.35mm x 19mm (1/4" x 3/4")
self-tapping screw with 19mm washer



Clearfix screw



SUNTUF® Product Range

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

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

SUNTUF® 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	CC2 (Section 2603)
UNI 9177, 9176	Class 2

* For additional information please contact your PALRAM distributor

UV Blocking and Resistance

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

Visit www.PALRAM.com.au

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



PALRAM SA/NT

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

PALRAM NSW/ACT

1 Cox Place
Glendenning NSW 2761
Tel: (02) 9757 3166
Fax: (02) 9756 1008
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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