



SUNTUF® Trimdek Premium

Longer Span – Stronger impact – More Light



Overview

SUNTUF® Trimdek contributes to the conservation of energy and improves the quality of the working environment. It withstands the harsh Australian conditions and offers many advantages over the alternatives.

SUNTUF® Trimdek is designed for use as rooflights and sidelights in profiled metal roofs & walls. Also ask about our advanced profile matching technology which 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 light transmissions and reduced solar transmittance.

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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



Suntuf® Trimdek Premium

1.25mm thick Skylight application




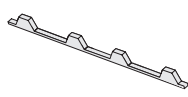





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Colours*

Colour/Type	%LT	%Haze	Colour/Type	%LT	%Haze
Clear	90	<1	White 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 
- Cyclone 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 19 mm 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 side
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	11
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 shields 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



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