



SUNTUF® Rooflights

Corrugated Polycarbonate Rooflights & Sidelights



Overview

SUNTUF Rooflights 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 Rooflights are designed for use as in-plane rooflights and sidelights with corrugated 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

- Virtually unbreakable
- Flexible matching to metal profiles
- High corrugation crests - over 100mm
- Maintains high light transmission far better than alternative materials
- Wide service temperature range (-50°C to 120°C)
- Easily and safely installed
- 10 year warranty
- Hail and wind resistant
- Filters over 99% of UV radiation
- Self extinguishing



Typical Applications

- Rooflights for metal roofs
- Sidelights for metal roofs
- Ridge lighting for metal roofs



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Colors*

Color / Type	%LT	%Haze	Color / Type	%LT	%Haze
Clear	90	<1	Diffuser	85	100
Clear Textured	87-89	90	Solar Grey 20	20	<1
Bronze 50	50	<1	Solar Grey 35	35	<1
Bronze 35	35	<1	Solar Grey 50	50	<1
Bronze 20	20	<1	Solar Ice 20	20	100
White Opal 0.8mm	45	100			
White Opal 1.0mm	45	100	Solar Control 20	20	70

* Light transmission data conforms to ASTM D-1003 standard.

Profile Availability



SUNTUF is available in over 350 standard and special profiles. SUNTUF can also be easily matched to any metal profile using an advanced MetalMatch™ technology. For more information please contact your Palram distributor. An up-to-date profile catalog is available for download from our website www.palram.com.

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

Visit www.PALRAM.com

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



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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
Impact falling weight	(ISO 6603/1 E50)	0.8 mm sheet	J	50
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.

