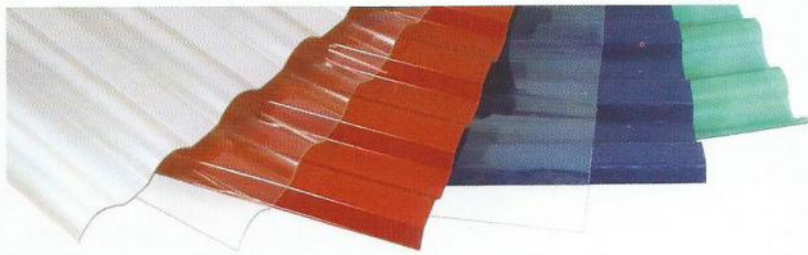


# SUNTUF® POLYCARBONATE CORRUGATED SHEET



## Overview

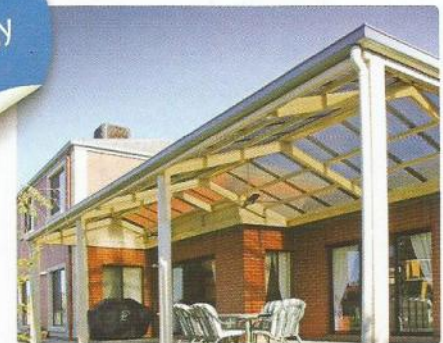
SUNTUF corrugated polycarbonate sheet is an outstanding roofing material that offers superior physical properties.

SUNTUF is favored by professionals for non-corrosive industrial structural roofing and siding, and by home owners for a multitude of DIY applications, due to its high impact strength and wide service temperature range.

The unlimited profile range and high light transmission allows SUNTUF to integrate as high quality skylight with any roofing profile. SUNTUF is also available in a wide variety of colors and light diffusion options.

## Main Benefits

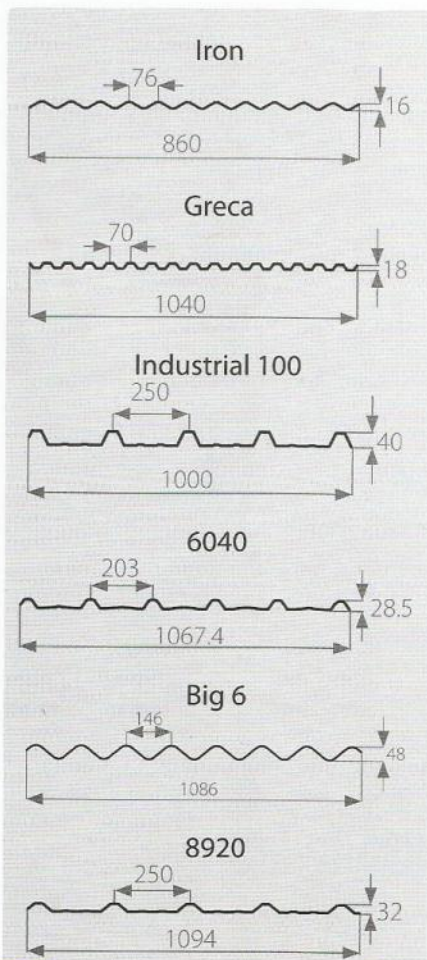
- Impact resistant: virtually unbreakable
- Transparent: up to 90% light transmission
- Weather and UV resistant
- Wide service temperature range
- UV blocking - better than sunscreens
- Lightweight
- Good flammability rating - does not emit toxic gasses when burning
- Warranted against yellowing, loss of light transmission and hail penetration
- Easy to work with and install



## Colors

Group	Colors			
Clear	Clear			
Transparent	Solar Gray	Bronze	Sky Blue	
	Transparent Green	Smart Gray	Breeze	
Translucent	White Opal	White dwwiffuser	Solar Control (Solar Metallic Grey)	
	Solar Ice	Mist Green	Smooth Cream	
Opaque	White	Green	Blue	Red Brick

## Profiles



More than  
400 Profiles



## Flammability

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

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

## We Match Any Profile!

### Matching New Profiles

- Matching any profile!
- No additional costs!
- Matching in no time!

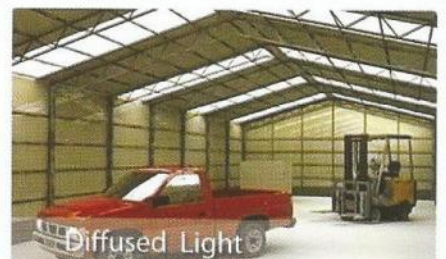
### Profile ordering procedure:

- Submit a detailed drawing or a full width sample.
- Palram will return a profile drawing for approval.



## SUNTUF® Rooflights

### Direct VS. Diffuser Light Simulation



## Typical Physical Properties

Property	*Method	Conditions	Units	Value
Density	D-792		g/cm <sup>3</sup>	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 expansio	D-696		cm/cm°C	6.5 x 10 <sup>-5</sup>
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 mechanica	D-790	1 mm/min	MPa	93
Flexural modulu	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