



*Ask for it by name!*

**SUNTUF®**



**Guaranteed Quality Polycarbonate Sheeting**  
The original and still the best



Quality UV protection for your family -  
guaranteed to block out over 99.9%  
of harmful UV-B rays



**SUNTUF®** was the first polycarbonate sheeting available in Australia. While its immediate success created a flood of imitations, **SUNTUF** has continued to set the standard. **SUNTUF** revolutionised the Australian market 10 years ago with the release of Solar Control. Now **SUNTUF SolarSmart** will again transform the way you think about heat reflective sheets.



# Welcome to the **SUNTUF®** range of polycarbonate sheeting.

The **SUNTUF** range is available in 2 great styles - **Standard** and **SolarSmart**.

The **SUNTUF Standard** polycarbonate sheeting has been a proven winner in Australian homes. A reliable and effective sheeting with multipurpose uses for both domestic and industrial applications. Offering clients the benefits of strength, appeal and greater flexibility makes it the clear front runner for your next project.

**SUNTUF SolarSmart** range of sheeting is simply the best on the market! Currently no other Australian profiled sheet can provide as

much light while reducing heat as well as Suntuf SolarSmart. The high standards of **SolarSmart** are perfect for your comfort, especially on those hot Australian summer days. Plants grow well under **SUNTUF** and **SUNTUF SolarSmart** sheeting.

There is the added benefit of a manufacturer's lifetime warranty and great range of colours to suit your individual needs. Imagine yourself relaxing under your pergola or next project with the knowledge that the sun's harmful UV rays are being kept out and you're protected by the guaranteed winner - **SUNTUF**.

	Suntuf Standard						Suntuf SolarSmart			DIMENSIONS					
	Clear	Solar Grey	Cedar Bronze	Opal	Smooth Cream	Mist Green	Diffused Ice	Diffused Grey	Grey	WIDTH mm	COVERAGE mm	HEIGHT mm	THICKNESS mm	WEIGHT kg/m <sup>2</sup>	MIN. COLD BENDING RADIUS mm
Transparent Sheets	•	•	•					•							
Translucent Sheets				•	•	•	•	•							
Corrugated	•	•	•	•	•	•	•	•	860	760	17	0.8	1.1	6000	
Greca*	•	•	•	•	•	•	•	•	810	760	16	0.8	1.2	6000	
Trimdeck/TL5	•	•	•	•	•		•		822	760	29	0.8	1.11	14000	
Omega*							•	•	810	760	16	0.8	1.11	3000	
									1260	1225	16	0.8	1.11	3000	
Benefits	Durability, longevity and high impact strength						Diffused Ice/Diffused Grey: Comfortable diffused light; excellent block-out of visible and non-visible radiation Grey: A transparent sheet with excellent reflection of visible and non-visible radiation								
Certification	<ul style="list-style-type: none"> <li>Limited Lifetime Warranty</li> <li>99.9%UV protection</li> <li>Early Fire Hazard Test (tested to AS1530)</li> <li>Sandbag Impact Test (tested to AS1562-3)</li> <li>Rated for cyclonic winds (tested to AS4040.3)</li> </ul>														
Sheet Lengths [mm]	1800, 2100, 2400, 2700, 3000, 3600, 4200, 4800, 5400, 6000, 7200 KingKlip and Spantuf profile also available - please refer to Suntuf Industrial brochure														

\*Not available in Queensland



# Suntuf Standard

**SUNTUF**® Polycarbonate Sheeting is purposely designed to offer you year-round protection from the harsh Australian environment. This incredibly strong and flexible polycarbonate is extruded from the most advanced polymers currently used in plastics technology. The result is a high quality, lightweight sheet suitable for roof and wall cladding that is virtually unbreakable.

**SUNTUF** is manufactured to comply with AS/NZS 4256.5 (Part 10.2 & 10.3) Plastic roof and wall cladding materials.

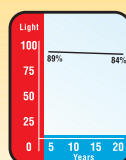


## WHY CHOOSE **SUNTUF**® POLYCARBONATE SHEETING?

Home improvers are faced with a bewildering choice of pergola roofing these days, but **SUNTUF**® remains the number one choice because it offers flexibility, longevity, versatility and UV protection and lifetime warranty.

## LONGEVITY

**SUNTUF**® Polycarbonate Sheeting is guaranteed not to lose more than 8% of the sheet's light transmission in its first 10 years and no more than 1% for every year thereafter. Suntuf is also guaranteed not to break from hail (up to 25mm in diameter) for 5 years. It is the protective layer co-extruded into the sheet that allows **SUNTUF** to maintain its high light transmission and stops it from yellowing for at least 10 years. Clear **SUNTUF** Sheeting has been tested for over 20 years and the results have shown less than a 5% light transmission loss.



Clearly the coolest  
under the sun!

## Suntuf SolarSmart

**Suntuf SolarSmart** represents a revolution in polycarbonate sheeting. The sheet is transparent, yet it is still able to block out more solar radiation than any other sheet currently on the market.

### How does SolarSmart work?

**SUNTUF® SolarSmart** reflects more heat across the entire ultra-violet light spectrum, not just the portion that provides visible light. "Near infra-red" radiation from the sun is invisible to our eyes but contains large amounts of heat that we feel on our skin. New **SUNTUF® SolarSmart** is unique in its ability to block out "near infra red" heat radiation. Hold up a sample to the sun or to an ultraviolet lamp and you will feel the **SolarSmart** difference.

Transparent  
Heat Reflective  
Product



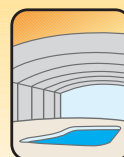
### FLEXIBILITY

**SUNTUF** Polycarbonate Sheeting is virtually unbreakable it offers great design flexibility when curving both along and across the corrugations. **SUNTUF** can be curved longitudinally where the radius of the curvature is 3000mm\* or greater. Polycarbonate's unbreakable qualities make the sheet resistant to impact from hail or even hammer blows, yet the sheets can easily be cut using a wide range of cutting tools. (\*Omega profile only. Consult your local distributor for radius of other profiles.)



### VERSATILITY

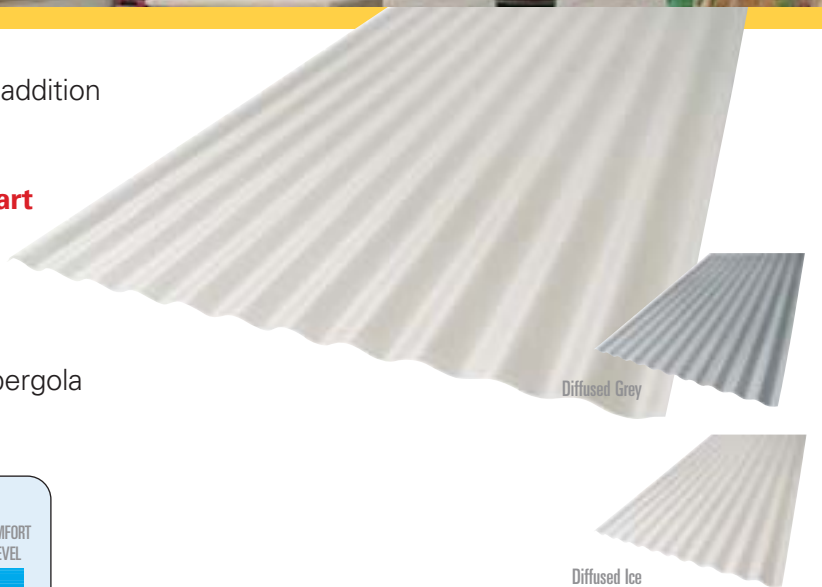
**SUNTUF** Polycarbonate Sheeting's light weight allows it to be installed at almost any height, on almost any type of structure. **SUNTUF** is designed for covering verandahs, pergolas, conservatories, gazebos, carports, spa pools, greenhouses and for use on fences, windbreaks or as skylights in garages, garden sheds and farm buildings. Available in a variety of tints and colours, **SUNTUF** offers a way to achieve the best combination of heat and light transmission.



# Suntuf SolarSmart Diffused

**SUNTUF® SolarSmart Diffused** is a unique new addition to the **SUNTUF** family of polycarbonate sheeting.

The unique heat reflection technology of **SolarSmart** is combined with an embossed finish to eliminate harsh glare from the sun. This special coating on the underside of the sheet provides glare-free diffused light, which is spread evenly across your pergola for a brighter and more comfortable outdoor area.



## SUNTUF® POLYCARBONATE SHEETING COLOUR COMPARISON CHART

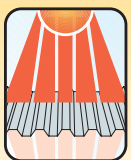
SUNTUF SolarSmart	COMMENT	LIGHT TRANSMISSION	HEAT* TRANSMISSION	COMFORT LEVEL
Diffused Grey	Diffused light with no glare	20%	17%	[Color scale bar from blue to red]
Diffused Ice	Diffused light with no glare	20%	18%	
Grey	Semi-diffused light with no glare	20%	20%	
<b>SUNTUF Standard</b>				
Solar Grey	Direct light with natural grey tint	20%	32%	[Color scale bar from blue to red]
Mist Green	Soft lighting with minimal glare	20%	33%	
Cedar Bronze	Direct light with darker bronze tint	25%	35%	
Smooth Cream	Similar to Opal but softer light & less glare	30%	45%	
Opal	Diffused light with good shading	45%	46%	
Clear	Maximum light and heat	90%	86%	

\*Percentage of direct heat from the sun passing through the sheet.

## UV PROTECTION

**SUNTUF** Polycarbonate Sheeting offers a maximum protection (as tested by Australian Skin Cancer Research Foundation) of 99.9% against harmful UV rays, helping to protect you and your family all year round. This maximum UV protection also makes

**SUNTUF** suitable for greenhouse applications. At the same time **SUNTUF** allows up to 90% of available light through the sheet and its resistance to weathering makes it suitable for Australia's varied climatic conditions.



## LIFETIME WARRANTY

**NOW WITH 10 YEAR WEATHER BREAKAGE**

**SUNTUF** polycarbonate sheets carry a limited manufacturers warranty, not to lose more than 8% of light transmission for the first ten years and thereafter no more than 1% per year when measured in accordance with ASTM D-1003-77. **SUNTUF** polycarbonate sheets are warranted for ten years from the purchase date, not to break or fail as a result of the impact of hail measuring up to 25mm in diameter. For further detail, please obtain a copy of full warranty conditions from your local distributor.



## Easy Installation

**SUNTUF**® should be installed with its sticker 'This Side Up' facing the sunlight. This is the side that has been treated with a protective coating against UV rays and therefore protects the sheet's durability. The sticker should be removed immediately after installation. When cutting **SUNTUF** you can use a wide range of cutting tools. However, for simplicity we suggest tin snips, a fine tooth saw or a fine tooth circular saw. When moving about or working on top of **SUNTUF** always walk on crawling boards placed above the purlins.

If you have an embossed sheet with no sticker, the embossed side faces down.

## Roof Pitch

**SUNTUF** Polycarbonate Sheeting will provide correct run off of rainwater when the roof pitch is 5° (87mm per 1000mm) or greater. If a flatter pitch is required then additional weatherproofing should be attained (consult your local distributor for fixing advice).

## Overlapping

Length overlap should be 200mm. Side overlaps should be as per diagrams 1-4.

## Overhang

To avoid sheet damage in high wind areas the maximum hangover at the roof edge or gutter line should not exceed 50mm.

## Infills

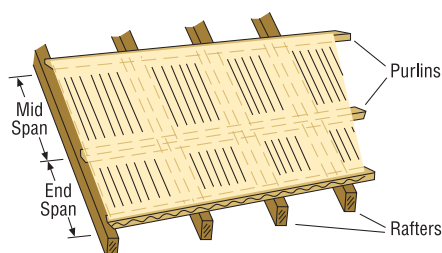
Foam infills are recommended and available for all profiles and flashing situations for weather and vermin proofing.

## Fastener Locations

**SUNTUF** is firmly fixed when fastened at every third corrugation and every second corrugation at gutters, ridging and overlaps (consult your local distributor for fixing advice). When using **SUNTUF** in a roofing situation, fastening is best through the crest of the wave and for fences or walls, fastenings should be through the valleys.

## Special Points

Fixing: Fix sheets with UV protection facing the sun - as indicated on sheet stickers. Only **SUNTUF** screws and fasteners should be used to maintain warranty requirements. Silicones and other chemicals not compatible with polycarbonate must be avoided.



## Expansion Allowance

At least 10mm clearance should be left when butting to wall or fascia. Ensure a 10mm clearance hole is pre-drilled to allow for expansion and contraction.

## Height - Special Note

**SUNTUF** complies with AUSTRALIAN STANDARD 1562.3 - 1996, thus eliminating the new requirement for safety mesh under roofs over 3 metres above ground level. Consult your local Suntuf Distributor for fixing advice, if any portion of your roof is higher than 3 metres. Approval may be needed in accordance with the regulations of your local council.

## Handling and Storage

**SUNTUF** sheets should be handled with care to avoid any unnecessary scratches prior to installation. **SUNTUF** should be stored on a flat surface away from direct sunlight. When stacked together this will prevent possible magnification of the sun's rays through the top sheets which may cause distortion of the lower sheets.

## Cleaning

**SUNTUF** will continue to look new when it is washed down regularly with a soft sponge and warm soapy water.

## Care

**SUNTUF** Polycarbonate Sheeting is unaffected by a wide range of chemical substances however, it is important to avoid chemicals, paint, adhesives or other synthetic materials that are not compatible.

## Fire Rating

**SUNTUF** Polycarbonate Sheeting has a low flammability rating and does not release strong toxic gases when burning. **SUNTUF** Polycarbonate Sheeting has been tested with a procedure conforming to AS1530, 3-1982 (Australian Standard Methods for Fire Tests on Building Materials and Structures, Part 3 - Tests for Early Fire Hazards Properties of Materials).

## Caution: Patio Heaters

It is recommended that patio heaters are situated no closer than 1 metre away from **SUNTUF** Polycarbonate Sheets. It is also important to ensure that adequate ventilation is provided at all times. If the temperature underneath your sheets rises above 90 degrees Celsius, immediately remove the patio heater from underneath the polycarbonate sheeting.

**SUNTUF** can span further when used as a skylight in a metal roof. Consult your distributor for more information.

Profile	Mid Span (mm)	End Span (mm)
Corrugated	1000	800
Greca	1200	900
Omega	1000	800
Trimdek/TL5 0.8	1200	900
Trimdek/TL5 1.0	1500	1000

## Profiled Infills

**SUNTUF** Foam Infills are used to seal the roof sheeting with the purlin providing protection from weather, birds, dust, etc.

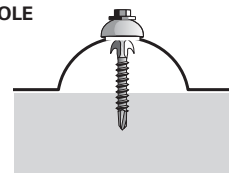
## Suntuf Clearfix Fasteners

This revolutionary fixing screw is the No 1 choice when installing **SUNTUF** polycarbonate sheeting. To allow for sheet expansion use the Clearfix fixing screw that pre-drills the 10mm expansion hole and drives the screw in one-go, saving up to 50% of installation time.

- Eliminates the use of a second tool for predrilling
- Allows for thermal expansion of sheets
- Fastener self centres during installation
- One fastener self drills into both timber & metal purlins
- Complies to BHP Class 3 specification
- Suits all profiles
- Allow approximately 8 screws per m<sup>2</sup>
- Use variable speed drill at low speed when cutting holes

### 10mm EXPANSION HOLE

The *Clearfix*<sup>®</sup> fastener is suitable for both timber and metal



## Standard Fixings

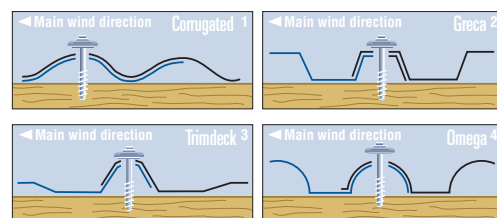
Suitable for timber and metal and are available in a range of sizes. Fixing screws feature a hex head and domed EPDM oversize washer that is compatible with **SUNTUF** polycarbonate. Ensure a 10mm clearance hole is pre-drilled to allow for expansion and contraction.

## Softsound Purlin Tape

Purlin Tape is recommended for all installation of **SUNTUF**. It helps reduce the expansion noise created from thermal movement. Available in 25m rolls.

## Flashings

Flashings are designed to enhance appearance and provide better weather sealing. **SUNTUF** recommends flashings to be made from Colorbond<sup>®</sup> or metal which provide more flexibility in size and colours as well as looking aesthetically better over time.



Note: A range of Suntuf sheeting is available specifically for cyclonic regions which meets AS1170-2, please consult your local dealer for fixing details and advice.

Proudly Distributed by:

**For more information call:**

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