



## Overview

SUNSKY® 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.

SUNSKY® 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.

SUNSKY® 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



# SUNSKY® Trimdeck Premium

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



Clearfix screw



## SUNSKY® Product Range

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

Visit [www.PALRAM.com.au](http://www.PALRAM.com.au)

To learn more about SUNSKY® Skylights and other Palram products, please visit [www.palram.com.au](http://www.palram.com.au)

## 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 expansion | 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 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

SUNSKY® 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 | CC2 (Section 2603) |
| Code UNI 9177, 9176  | Class 2            |

\* For additional information please contact your PALRAM distributor

## UV Blocking and Resistance

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



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