



SUNTUF® Trimdeck Premium

Longer Span - Stronger impact - More Light



Overview

SUNTUF® 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.

SUNTUF® 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.

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

- 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
- 15 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® Trimdeck Premium

1.25mm thick Skylight application



www.palram.com.au



Colours*

| Colour/Type | %LT | %Haze | Colour/Type | %LT | %Haze |
|-------------|-----|-------|--------------|-----|-------|
| Clear | 90 | <1 | Diffuser | 85 | 100 |
| White Opal | 35 | 100 | Diffused Ice | 25 | 100 |

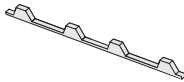
* Light transmission data conforms to ASTM D-1003 standard

Systems and Accessories

Self drill screw 65mmX14g



Top & Bottom Foam Infills



Butyl Rubber



Cyclon washer with EPDM gasket



Stitching Screws (Grommet seals) with EPDM seal



Stitching screws 6.35mm x 19mm (1/4" x 3/4")
self-tapping screw with 19mm 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 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.au

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



PALRAM SA/NT
517A Cross Keys Road
Cavan SA 5094
Tel: (08) 8262 2288
Fax: (08) 8262 3388
salessa@palram.com

PALRAM NSW/ACT
Unit 2, 26 Redfern St.
Wetherill Park, NSW 2164
Tel: (02) 8788 6100
Fax: (02) 8788 6199
salesnsw@palram.com

PALRAM QLD
Unit 9C / 380 Bilsen Road
Geebung QLD 4034
Tel: (07) 3172 5581
Fax: (07) 3172 5516
salesqld@palram.com

PALRAM VIC/TAS
34 Buys Court
Derrimut VIC 3030
Tel: (03) 9219 4444
Fax: (03) 9219 4455
salesvic@palram.com

PALRAM WA
74 Christable Way
Landsdale WA 6065
Tel: (08) 9302 4173
Fax: (08) 9302 5287
saleswa@palram.com

In as much as PALRAM Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any PALRAM Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. PALRAM Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local PALRAM Industries supplier to ensure that you have obtained the most up to date information.

©1997 PALRAM Industries Ltd. | SUNTUF is a registered trademark of PALRAM Industries Ltd.

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 | 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® complies with the most demanding international fire resistance standards in the field of plastics, as indicated in the detailed table herein. The classification is subject to product type, thickness and color.

| 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 more detailed 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.

