

# SUNTUF COMMERCIAL POLYCARBONATE SHEETS SunTuf Commercial™

## PURPOSE

PSP Ltd supplies SunTuf Commercial Polycarbonate Sheets (SunTuf Commercial) for use as roofing and cladding where insulation is not required. SunTuf Commercial provides a natural light solution in buildings that are not habitable spaces (such as warehouses, retail buildings, farm buildings and schools); as skylights for commercial and industrial buildings; and on canopies and pergolas.

## EXPLANATION

Suntuf Commercial is a long run polycarbonate roofing and cladding sheet material. SunTuf Commercial sheets are 1.2 mm thick, weigh 1.2 kg/m<sup>2</sup>, and have an effective cover width of 760 mm. The sheets are designed to be fixed over a framed structure such as rafters or purlins and overlapping sealed using butyl tape and sealant.

Available sheet profiles and lengths are:

Profile	Crest to crest	Peak to trough	Total width
Corrugated	76 mm	17 mm	860 mm
TrimSpan 5 Rib	190 mm	28 mm	835 mm

Sheets are provided in lengths of 1800 mm, 2400 mm, 3000 mm, 3600 mm, 4200 mm, 4800 mm, 7200 mm, and 9000 mm. TrimSpan 5 Rib profile is compatible with several leading metal longrun profiles on the market.

All SunTuf Commercial sheets have, applied to one side, a UV blocker that blocks up to 99.9 % of harmful UV radiation whilst achieving 85 % visual light transmittance.

PSP also supply the following accessories for use when installing SunTuf Commercial:

- Galvanised washers and fixings and fasteners, EPDM rubber washers/gaskets, silicones, sealing tape, and closure fixtures.



For further assistance please contact:

- ☎ 0800 786 883
- ✉ info@psp.co.nz
- 🌐 [www.psp.co.nz](http://www.psp.co.nz)

## SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Location</b> In wind zones up to and including Very High as defined in NZS 3604:2011 or to a calculated design wind pressure (ULS) of 2.0 kPa for TrimSpan 5 Rib or 1.5 kPa for Corrugated. In exposure zones as defined by NZS 3604:2011.	➤ Where adverse microclimatic conditions apply (refer to paragraph 4.2.4 of NZS 3604:2011), refer to PSP.
Up to a snow loading design pressure (ULS) of 2.0 kPa for TrimSpan 5 Rib and 1.5 kPa for Corrugated. Any proximity to a relevant boundary.	➤ Within 1 m of a relevant boundary and if fire building code obligations apply, then specific engineering design for fire may be required.
<b>Building</b> In conjunction with a primary timber, steel, or aluminium structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work. As a single sheet width roof or wall skylight.	➤ The roof pitch must be minimum 5°. ➤ Curve radius must be minimum of 4 m (Corrugated) or 11 m (TrimSpan 5 Rib). ➤ Maximum support span must be in accordance with PSP SunTuf commercial load span tables. ➤ 10 % greater span allowance for vertical installation.
As a full roof or wall cladding.	➤ The roof pitch must be minimum 5°. ➤ Curve radius must be minimum of 4 m (Corrugated) or 11 m (TrimSpan 5 Rib). ➤ Where used as a roof cladding, maximum support span must be 75 % of the span specified in the PSP SunTuf Commercial load span tables.

## USEFUL INFORMATION

For design, installation, maintenance and warranty information for SunTuf Commercial, and for supply and manufacturing information, and the statement made about s26 of the Building Act 2004, refer to [www.suntuf.co.nz](http://www.suntuf.co.nz)

## PERFORMANCE CLAIMS

If designed, installed, and maintained in accordance with all PSP requirements, Suntuf Commercial will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	Compliance statement	BASIS OF COMPLIANCE Demonstrated by
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a), (c), (e), (g), (h), (i), (j), (q)	ALTERNATIVE SOLUTION	PSP Suntuf Commercial load span tables in accordance with AS/NZS 1170. Manufactured to EN 1013:2012. Manufacturer's declaration of performance (CPR EU 305/2011 No. 05-2017 [Palram, n.d.].
<b>B2 Durability</b> B2.3.1 (b)	VERIFICATION METHOD	Manufactured to EN 1013:2012. Manufacturer's declaration of performance (CPR EU 305/2011 No. 05-2017 [Palram, n.d.].
<b>C3 Fire affecting areas beyond the source</b> C3.4(a)	VERIFICATION METHOD C/VM2 Appendix A	Achieves Material Group Number 1-S [BRANZ, 29/10/2019].
<b>E2 External Moisture</b> E2.3.1, E2.3.2, E2.3.7 (a, b, c)	ALTERNATIVE SOLUTION	Manufactured to EN 1013:2012. Manufacturer's declaration of performance (CPR EU 305/2011 No. 05-2017 [Palram, n.d.].
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION	Manufactured to EN 1013:2012. Manufacturer's declaration of performance (CPR EU 305/2011 No. 05-2017 [Palram, n.d.].

## SOURCES OF INFORMATION

- BRANZ. [29/10/2019] FI 5466-TT Issue 2 GROUP CLASSIFICATION NUMBER.
- Palram. [n.d.] Declaration of performance Under the CPR EU 305/2011. No 05-2017. Suntuf – light transmitting Corrugated Polycarbonate sheets.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.

[www.suntuf.co.nz/range/suntuf-commercial/](http://www.suntuf.co.nz/range/suntuf-commercial/)



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.
3. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™.
4. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

PSP Ltd confirms that if Suntuf Commercial is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

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*Kevin Brunton*

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of PSP Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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