

SUNTUF™ SUNGLAZE™ ROOFING



PURPOSE

PSP Ltd supplies translucent polycarbonate panels for use as a weather-resistant roof cladding in buildings that are not habitable spaces. The panels are branded as SunTuf™ SunGlaze™ (SunGlaze™) and are available in 3 different colour options:

- > Clear
- > Grey Tint
- > CoolTech – Grey.

EXPLANATION

SunGlaze™ panels are 4 mm thick, lightweight, flat panels with a standing seam and are 600 mm wide. They are designed to be installed on rafters or purlins with the panels being joined together with anodised aluminium profiles. Panels are provided in 1800 mm, 2400 mm, 3000 mm, 3600 mm and 5000 mm lengths.

SunGlaze™ is suitable for a range of applications, where thermal insulation is not required including: Porches, Carports, Walkways, Awnings & Entrances and Gazebos & Pool Covers. All SunGlaze™ panels have applied, to both sides, a UV blocker which blocks up to 99.99 % of UV light.

LIGHT AND HEAT TRANSMISSION CHARACTERISTICS

Range	Light Transmission (%)	Heat Transmission (%)
SunGlaze™ Clear	90	89
SunGlaze™ Grey Tint	35	57
SunGlaze™ CoolTech™ Grey	20	33



For further assistance please contact:

-  0800 786 883
-  info@psp.co.nz
-  www.psp.co.nz



PSP also supply the following accessories for use when installing SunGlaze™ panels:

- > Flashings: aluminium glazing bars, top caps, end caps and gaskets for joining two panels side by side and securing to either timber, steel or aluminium framing structure.
- > SunGlaze™ Support System, which is a powder-coated aluminium post and roof structure.
- > Fixings: self-tapping and self-drilling screws for installation into timber, steel or aluminium framing structure.

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In wind zones up to and including Extra High as defined in NZS 3604:2011 or to a calculated design wind pressure (ULS) of 2.1 kPa. In exposure zones as defined by NZS 3604:2011.	<ul style="list-style-type: none"> > Where adverse microclimatic conditions apply (see para. 4.2.4, NZS 3604:2011), consult with PSP technical staff.
Up to a snow loading design pressure (ULS) of 2.0 kPa. Any proximity to a relevant boundary.	<ul style="list-style-type: none"> > Within 1 m of a relevant boundary and if fire building code obligations apply, then specific fire engineering may be required.
Building 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. On timber, steel or aluminium framing as a roof cladding.	
As a roof cladding.	<ul style="list-style-type: none"> > Minimum roof pitch of 5 degrees slope. > Minimum curved radius of 4 m.



USEFUL INFORMATION

For information on the design, installation and maintenance of SunGlaze™ and for our warranty refer to www.suntuf.co.nz.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all PSP's requirements, the SunGlaze™ roof cladding will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	Compliance statement	BASIS OF COMPLIANCE Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a), (c), (e), (h), (i), (j), (q)	Alternative Solution	<ul style="list-style-type: none"> Palram performance claims with respect to: <ul style="list-style-type: none"> Tensile Properties (ASTM D638) Flexural Properties (ASTM D790) Impact resistance (ASTM D256 & ISO-6603/1d) [Palram, 10/2017].
B2 Durability B2.3.1 (b)	Alternative Solution	<ul style="list-style-type: none"> Palram performance claims with respect to: <ul style="list-style-type: none"> Impact strength after exposure to daylight, moisture and heat (ASTM D2565-08) Colour change resistance (ASTM D2244) Yellowing Index (ASTM E313) Light Transmission (ASTM D1003) [Palram, 10/2017; n.d.].
C3 Fire affecting areas beyond the source C3.4(a)	Acceptable solution	<ul style="list-style-type: none"> SunGlaze™ roof cladding achieves material group 1 [Ignis Solutions, 17/02/2021].
F2 Hazardous Building Materials F2.3.1	Alternative Solution	<ul style="list-style-type: none"> Palram Product Safety Data Sheet [Palram, 08/2016].

SOURCES OF INFORMATION

- Ignis Solutions. [17/02/2021] *Product Advice*. Report no. IGNS-8367 101 R00.
- Palram. [n.d.] *Chemical Resistance of Palram Polycarbonate Products at Room Temperature*. Retrieved from https://www.palram.com/au/wp-content/uploads/sites/3/2020/03/PALRAM_En_PC_Chemical_Resistance_61311-1.pdf [Accessed 22/09/2021].
- Palram. [08/2016] *Product Safety Data Sheet for Palram Polycarbonate Products*. Retrieved from <https://palram.canto.global/download/document/rr5br9vh891n19br2fh44f7749/original> [Accessed 22/09/2021].
- Palram. [10/2017] *SUNGLAZE™ Solid Polycarbonate Standing Seam Architectural System*. Retrieved from https://www.palram.com/au/wp-content/uploads/sites/3/2020/11/1-SUNGLAZE_Au_Brochure-web.pdf [Accessed 23/09/2021].



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

www.suntuf.co.nz



- Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
- 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.

PSP confirms that if Suntuf SunGlaze is used in accordance with the requirements of this pass™ the product will comply with the Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14 G of the Building Act.

Date of first issue: 10/04/2021

Date of current issue: 28/11/2022

NZBN: 9429038193958

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of PSP Ltd and 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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