

1. GENERAL

1.1 GENERAL

This specification relates to the installation of SunTuf™ SunGlaze™ Roofing (SunGlaze™).

1.2 RELATED WORK

The installation of SunGlaze™ Roofing relies on timber framing, steel or aluminium framing that complies with the NZ Building Code, the building consent documentation and construction drawings or, in the case of an existing building, where the designer and installer have satisfied themselves that the existing building is suitable for the intended building work.

The installation of SunGlaze™ Roofing relies on:

- A minimum roof slope of 5 degrees to ensure proper water runoff.
- For installing onto rafters only, inner rafters must be at 600 mm centres.
- For installing onto purlins, rafters must be at 600 mm centres and purlins at 900 mm.

1.3 DOCUMENTS

Refer to the following manufacturer's documents:

- PSP SunTuf™ SunGlaze™ Roofing pass™
- PSP SunTuf™ SunGlaze™ Roofing Design and Installation guide™
- PSP SunTuf™ Care and Maintenance guide
- PSP SunTuf™ Warranty.

Refer to the following related documents:

- NZS 3604:2011 Timber-framed buildings
- NASH Standard Parts 1 and 2:2019 Design Criteria and Light Steel Framed Buildings
- AS/NZS 1664:1997 A1 Aluminium structures.

1.4 GENERAL DESIGN CONSIDERATIONS

The system must be specified in accordance with the PSP SunTuf™ SunGlaze™ Roofing Design and Installation guide.

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

SunGlaze™ polycarbonate roofing panels are 4 mm thick, lightweight, flat profiled 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 supplied aluminium flashing profiles. Panels are provided in 1.8 m, 2.4 m, 3.0 m, 3.6 m and 5.0 m lengths.

SunGlaze™ is suitable for weather-resistant roof cladding applications, where thermal insulation is not required and in buildings that are not habitable spaces. These include porches, carports, walkways, awnings, entrances, gazebos and pool covers.

All SunGlaze™ polycarbonate panels have applied, to both sides, a UV blocker that blocks up to 99.99% of UV light.

The panels come in three different colour options with varying light and heat transmittance values:

- SunTuf™ SunGlaze™ Clear
- SunTuf™ SunGlaze™ Grey Tint
- SunTuf™ SunGlaze™ CoolTech Grey.

2.2 ASSEMBLY COMPONENTS

The following assembly components are supplied by PSP:

SunGlaze™ polycarbonate panels

- SunGlaze™ Clear, 600 mm wide and 1.8 m, 2.4 m, 3.0 m, 3.6 m, or 5.0 m in length
- SunGlaze™ Grey Tint, 600 mm wide and 1.8 m, 2.4 m, 3.0 m, 3.6 m, or 5.0 m in length
- SunGlaze™ CoolTech Grey, 600 mm wide and 1.8 m, 2.4 m, 3.0 m, 3.6 m, or 5.0 m in length

Fixings

- 12 g x 20 mm stainless steel self-drilling screws (for glazing bars)
- 10 g x 25 mm stainless steel self-drilling screws (for end caps)
- 8 g x 50 mm stainless steel pan square drive self-tapping screw (into timber structure)
- 10 g x 22 mm stainless steel wafer head square screw (into steel or aluminium structure)

Flashings/glazing bar components

- SunGlaze™ anodized aluminium or powder-coated Standard Bottom Glazing Bar
- SunGlaze™ anodized aluminium or powder-coated Edge Bottom Glazing Bar
- SunGlaze™ anodized aluminium or powder-coated Standard Middle Glazing Bar
- SunGlaze™ anodized aluminium or powder-coated Edge Middle Glazing Bar
- SunGlaze™ anodized aluminium or powder-coated Top Cap
- SunGlaze™ anodized aluminium or powder-coated Flush End Cap
- SunGlaze™ anodized aluminium or powder-coated Standard End Cap
- SunGlaze™ anodized aluminium or powder-coated Edge End Cap
- SunGlaze™ End Panel Gasket.

2.3 SUBSTITUTIONS

Substitutions are not permitted to any of the specified components listed in this section.

3. EXECUTION

3.1 QUALIFICATIONS	The installation of SunGlaze™ Roofing must be carried out by a person with basic carpentry skills.
3.2 RESTRICTED BUILDING WORK	Where Restricted Building Work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by an LBP with the relevant license class.
3.3 CHECK RELATED WORK	Confirm the framing has been constructed in accordance with the building consent and construction drawings or, in the case of an existing building, that the existing building is suitable for the intended building work.

4. APPLICATION

4.1 GENERAL	The installation of SunGlaze™ Roofing must be completed in accordance with the instructions in the PSP SunTuf™ SunGlaze™ Roofing Design and Installation guide and the building consent documentation. All conditions contained in the building consent documentation must be met.
4.2 RECEIPT OF PRODUCT	Ensure that all product supplied by PSP is: <ul style="list-style-type: none"> ➤ free of defects at the time of delivery and ➤ handled and stored in accordance with all PSP requirements.

5. COMPLETION

5.1 QUALITY CHECK	Check the installation to ensure all components have been installed in accordance with all PSP requirements.
5.2 WARRANTIES	Warranties are available for SunGlaze™ Roofing. Refer to www.suntuf.co.nz .
5.3 INFORMATION FOR CARE AND MAINTENANCE	SunGlaze™ Roofing requires regular care and maintenance to maintain performance and appearance of the panels. Refer to the PSP SunGlaze™ Roofing Care and Maintenance guide.

6. PROJECT SPECIFIC SELECTIONS

PROJECT DETAILS

Project address

Lot/DP number

Date of plans

Purpose of plans

Description of building work and reference to drawing numbers

DOCUMENTS SUPPLIED (check which applies)

PSP SunTuf™ SunGlaze™ Roofing pass™

PSP SunTuf™ SunGlaze™ Roofing Design and Installation Guide

PSP SunTuf™ Care and Maintenance guide

PSP SunTuf™ Warranty

DESIGNER CONFIRMATION (check which applies)

Building

Framing

Timber

Steel

Aluminium

Other (state what was used)

Roof pitch

Minimum roof slope of 5 degrees

Spacing roof members

Rafters 600 mm centres minimum spacing

Purlins 900 mm minimum spacing

ASSEMBLY COMPONENT SELECTIONS

SunGlaze™ Polycarbonate Panels

- SunGlaze™ Clear (600 mm wide, 1.8 m, 2.4 m, 3.0 m, 3.6 m or 5.0 m long)
- SunGlaze™ Grey Tint (600 mm wide, 1.8 m, 2.4 m, 3.0 m, 3.6 m or 5.0 m long)
- SunGlaze™ CoolTech Grey (600 mm wide, 1.8 m, 2.4 m, 3.0 m, 3.6 m or 5.0 m long)

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- 12 g x 20 mm stainless steel self-drilling screw (for glazing bars)
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- SunGlaze™ anodized aluminium or powder-coated Top Cap
- SunGlaze™ anodized aluminium or powder-coated Flush End Cap
- SunGlaze™ anodized aluminium or powder-coated Standard End Cap
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