AMPELITE
Australian owned

POLYGLAZE

POLYCARBONATE SHEETING • APPEARANCE OF GLASS

PolyGlaze: The Effortless Choice for Outdoor Living

Transform your outdoor space with PolyGlaze – the perfect solution for a sleek, glass-like finish that enhances the beauty of your surroundings. Enjoy the Australian outdoor lifestyle in style, with the confidence of safety and durability, all year round.

www.ampelite.com.au

POLYGLAZE

POLYCARBONATE SHEETING • APPEARANCE OF GLASS

- **A glass look appearance without the expense**
- **Available in clear and grey tint**
- **Lightweight and strong**
- **Simple & cost effective to install**
- **Hail and wind resistant**
- **Blocks 99.9% UV radiation**
- **600mm cover in 3.0mm gauge.**

Applications

- **Porches**
- **Pergolas**
- **Walkways**
- **Carports**
- **Awnings**
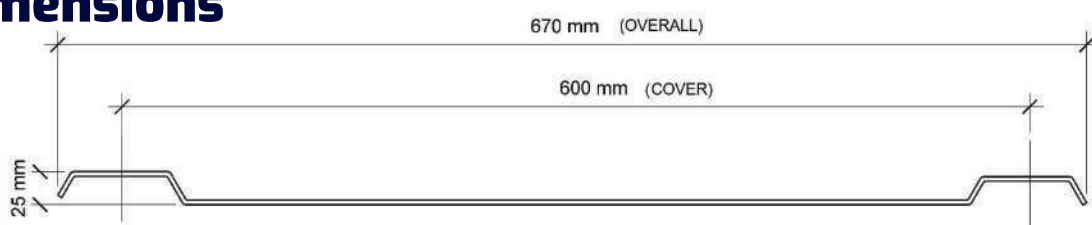- **Entrances**
- **Gazebos**
- **Pool covers**

Tints

Clear

Grey

Info

Screw & Washer
Foam Tape
Underlap (Shortleg)
Overlap

Rafter

Dimensions

670 mm (OVERALL)

600 mm (COVER)

25 mm

PolyGlaze: The Future of Transparent Roof Covering

PolyGlaze is the next generation in transparent roofing, offering a stunning glass-like appearance combined with the exceptional performance of Polycarbonate. Available in both clear and tinted options, it allows you to control the perfect amount of shade for your space, tailored to your location.

Engineered to provide maximum value for homeowners, PolyGlaze sets a new benchmark in aesthetic appeal while remaining simple to install and maintain. The sleek 3mm thick panels are designed to screw directly into your structure's rafters, eliminating the need for costly glazing bars. This streamlined installation process ensures a professional, polished finish, with less time and effort required.

Health & Safety

Wear appropriate Personal Protective Equipment when installing. Beware of any awkward movements, straining or twisting while moving the sheets.

Tools

PolyGlaze requires no special tools and can be installed using a wide variety of standard building equipment. It is recommended a fine tooth saw blade is used when cutting PolyGlaze sheets.

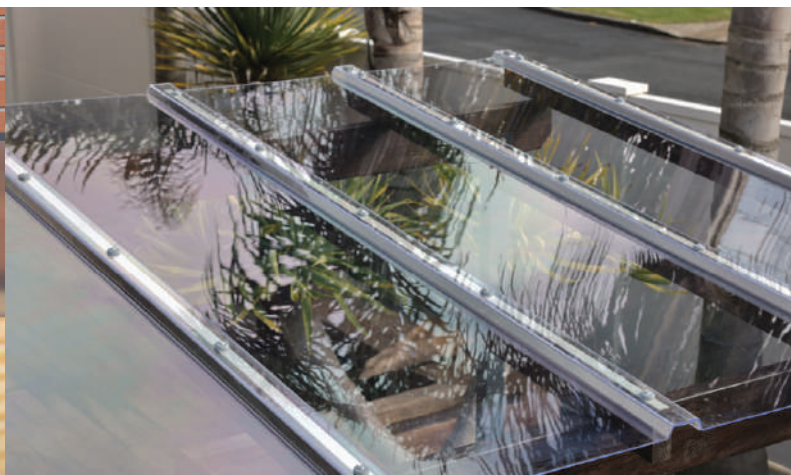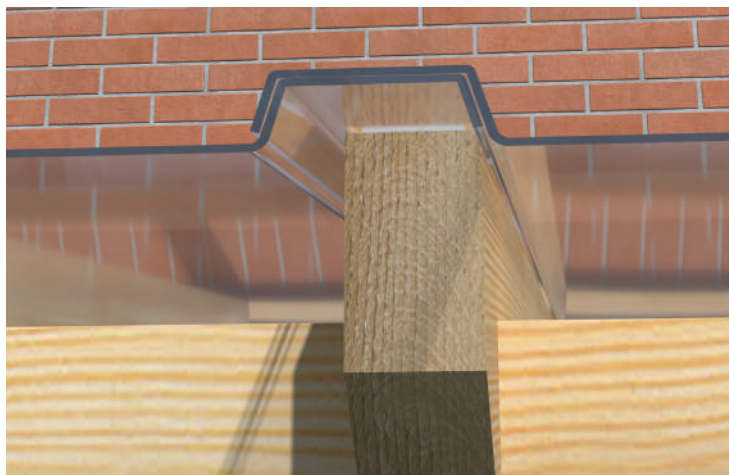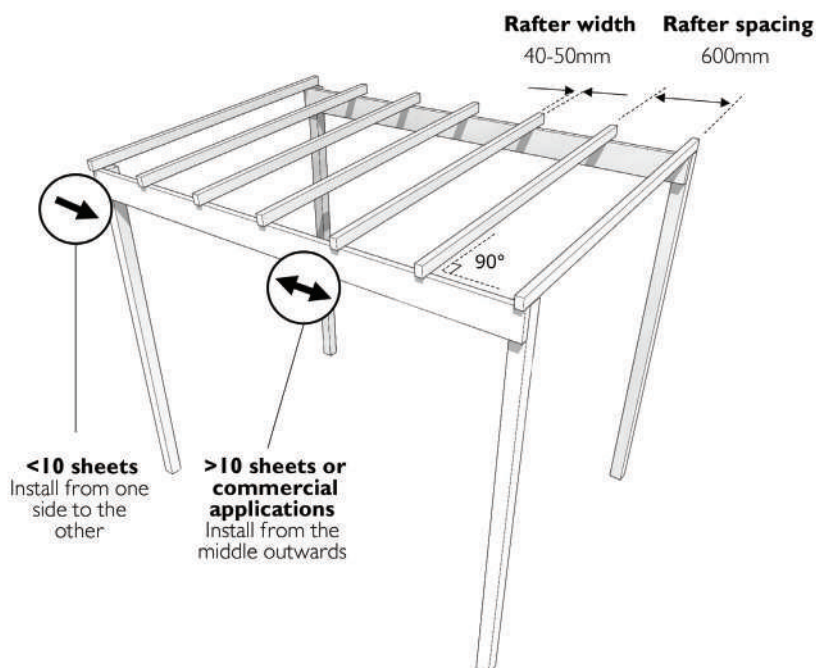Timber Fixing (Multi-Drive 10g x 50mm)   Metal Fixing (Multi-Drive 10g x 35mm)   Ampelite 45mm wide PolyGlaze tape   Polycarbonate Sealant

Rafter Layout
Specification

PolyGlaze is designed to be installed on 50mm Rafters at 600mm centres with no need for the use of Purlins to support the PolyGlaze sheet.
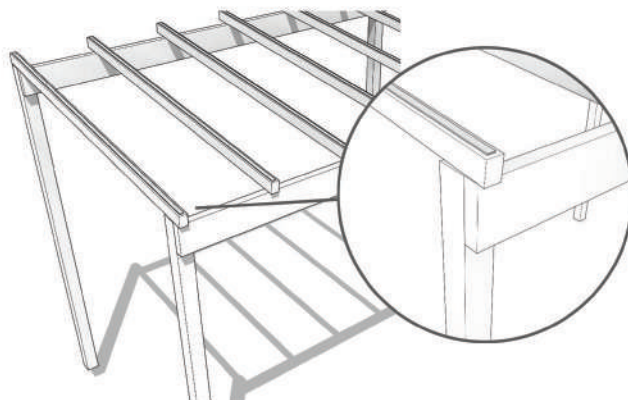
PolyGlaze can be installed on pergolas that have existing battens, maximum spacing 1200mm.

Rafter width 40-50mm   **Rafter spacing** 600mm

90°

<10 sheets Install from one side to the other

>10 sheets or commercial applications Install from the middle outwards

Installation Advice

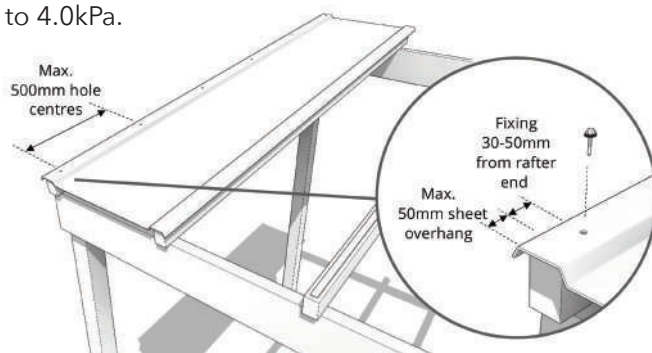**1** Apply Ampelite PolyGlaze tape to each rafter, prior to installing PolyGlaze sheets.

2 Pre-drill 10mm clearance holes through PolyGlaze at Max 500mm centres. Max 50mm overhang of sheet.

Fix using Ampelite PolyGlaze fixings and bonded washes (Multi- Drive 10g x 50mm). Fix from one end of PolyGlaze profile to the other.
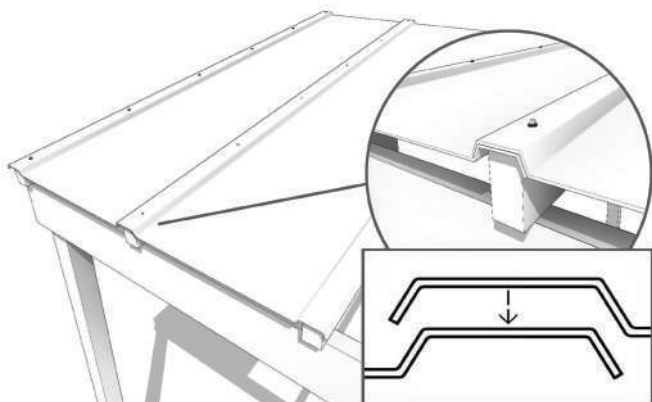
500mm hole centres are recommended for up to 4.0kPa.

Max. 500mm hole centres

Fixing 30-50mm from rafter end

Max. 50mm sheet overhang

3 Place next PolyGlaze sheet ensuring correct lap orientation shown. Pre-drill 10mm clearance holes through PolyGlaze.
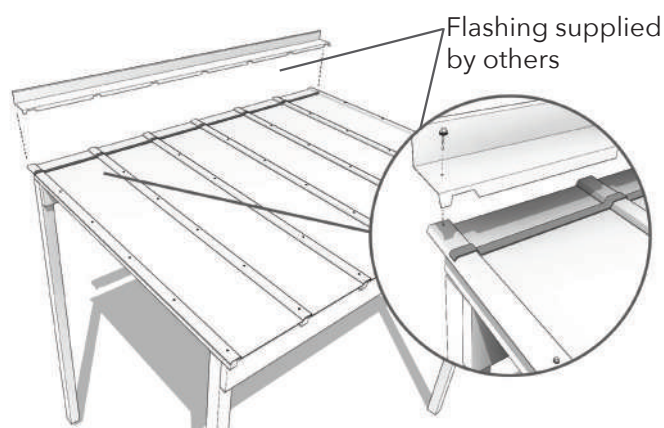
Fix using Ampelite PolyGlaze fixings. Fix from one end of PolyGlaze profile to the other. Repeat for all PolyGlaze sheets.
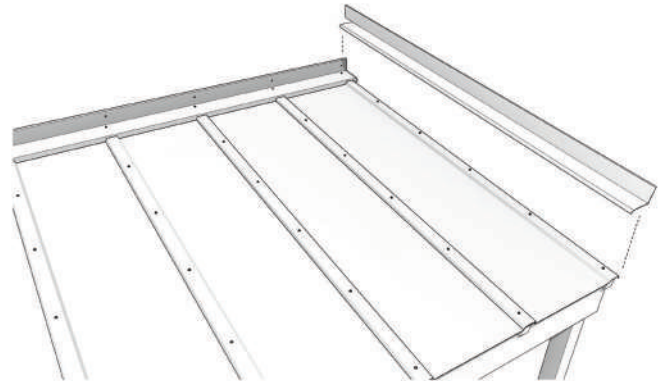

4 Mark final position of apron flashing at head. Apply Ampelite PolyGlaze Tape along full width of flashing prior to install.

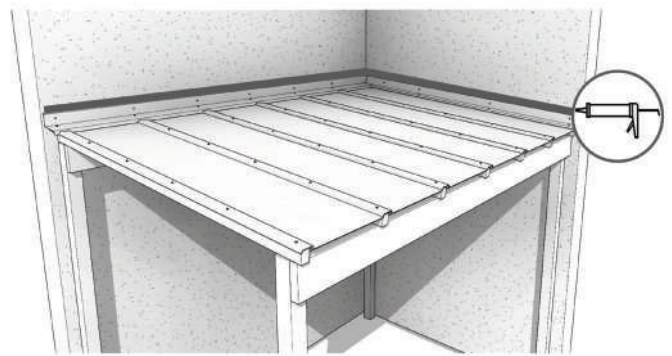Fix to PolyGlaze using Ampelite PolyGlaze fixings. Fix flashing to wall using appropriate fixings.

Flashing supplied by others

5 Where applicable, install barge flashing to meet apron flashing at corner. Fix to PolyGlaze using Ampelite PolyGlaze fixings. Fix to wall using appropriate fixings.

6 Apply polycarbonate sealant around perimeter at flashings.

Technical Information

Cleaning

PolyGlaze can be easily cleaned with soapy water and a soft microfiber cloth or soft sponge.

Safety

Do not step directly onto panels, ensure safety regulations are followed.

Handling and Storage

PolyGlaze should be handled with care to avoid any unnecessary scratches prior to installation. Store out of direct sunlight in a clean, dry and flat area.

Peel back protective masking before installation.
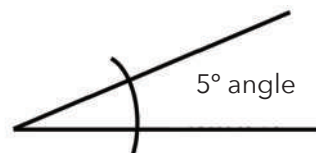
Your Protection

Warranty; PolyGlaze is manufactured under Quality Management Systems registered to BS EN ISO 9001:2015. The panels carry a 10 year limited warranty. For full details please contact your local Ampelite office.

Flammability

PolyGlaze complies with the most demanding international fire resistance standards in the field of plastics. AS9705-group 1, AS1530.3 - Ignitability - 0, Spread of flames - 0, Heat Index -0 & Smoke - 2.
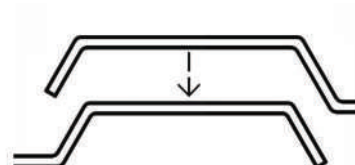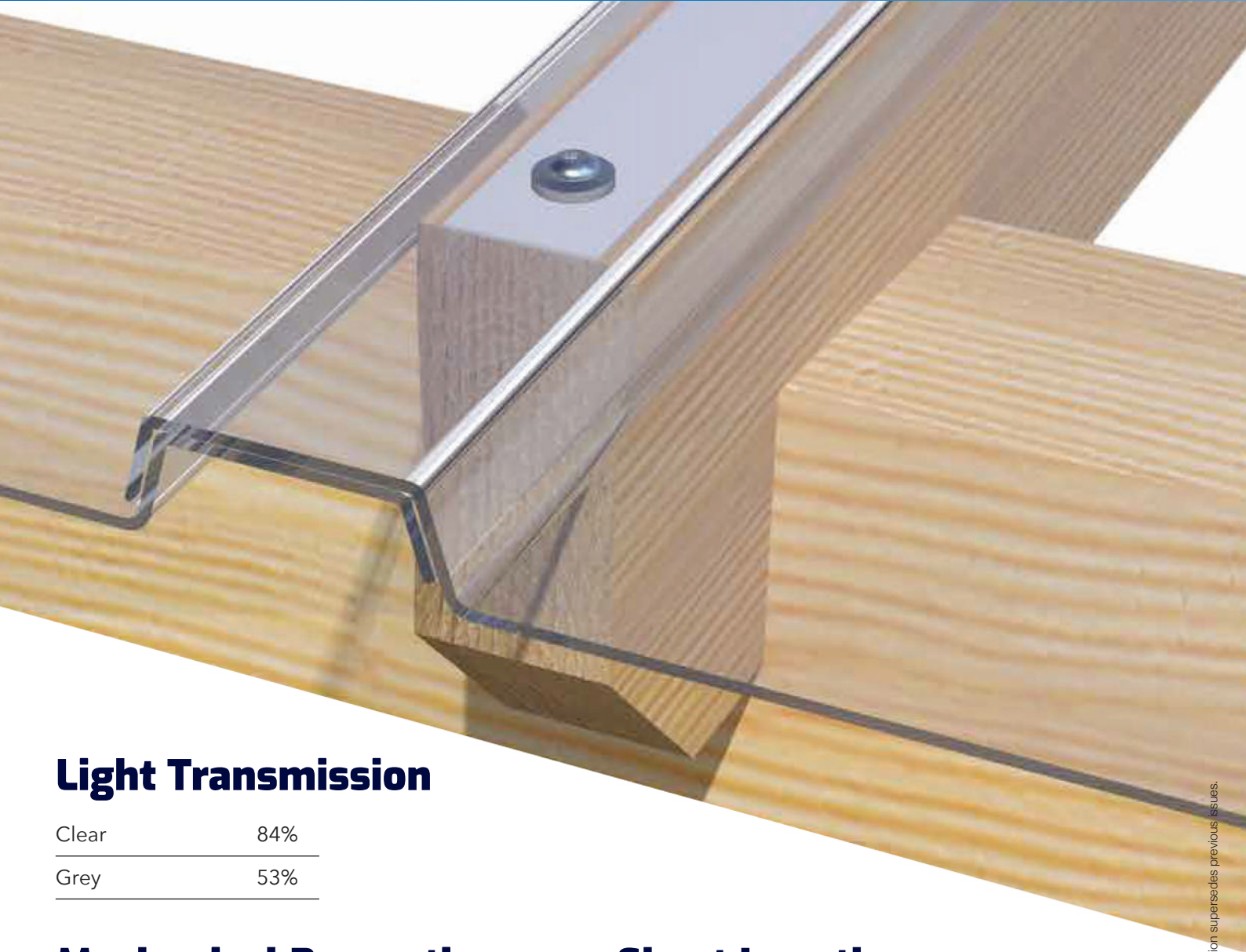
Roof Angle

PolyGlaze should be installed to a minimum 5° angle.

5° angle

Sheet Lapping

Ensure larger rib overlaps the smaller rib. Refer to markings on the sheet.

Light Transmission

Clear	84%
Grey	53%

Mechanical Properties

Thickness	3mm
Cover Width	600mm
U-Value	5.45 W/m$_2$k
Sheet Weight	3.97kg/m$_2$
UV Protection	Single Sided

Sheet Lengths

Sheet Length	2000mm
	4000mm
	6000mm