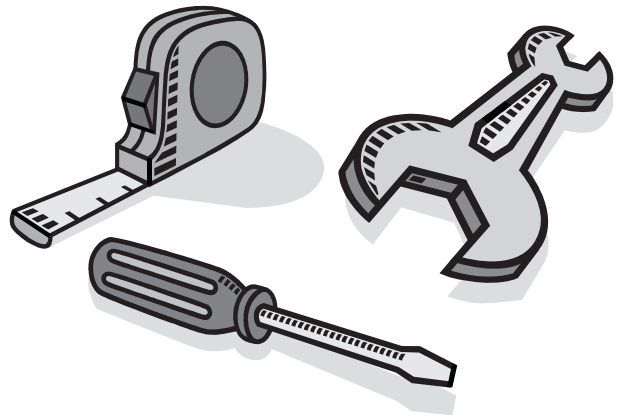
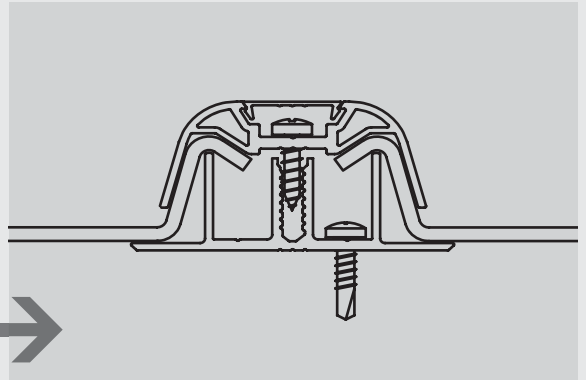
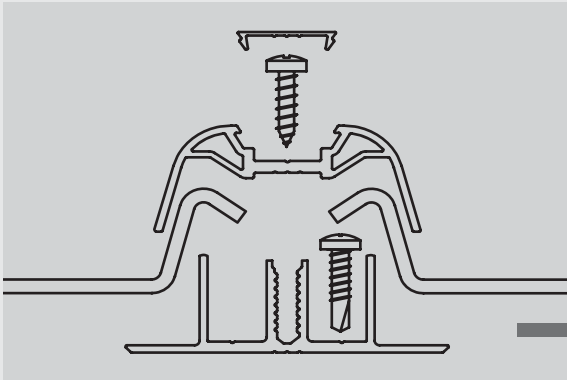


SUNGLAZE™

Solid Polycarbonate
Standing-Seam
Architectural System



Installation Instructions



SUNGLAZE is a self fastening system, based on PALSUN solid polycarbonate sheets. The panels join together by a simple set of aluminum profiles, which are enclosed at the ends by End-closures. Screws lock the system and fix it to the structure, without any penetration through the panels. The Cap-plug completes the assembly, covers the screw head and provides a smooth surface.

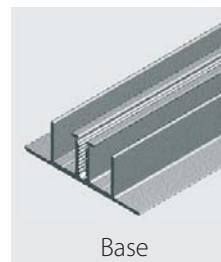
This booklet contains general SUNGLAZE installation guidelines only.
For complete and extensive information please refer to the SUNGLAZE Technical Guide.



Creating New Solutions for over 40 Years

System components

SUNPAL panel type is defined by the rafter center-to-center spans and the loading requirements. Other system components fit all panel types.



Roof structure

SUNGLZE system is designed for both rafter and purlin construction options. Recommended minimum roof slope for Sunglaze applications is 5%. Where lower slopes are necessary, we recommend rafter construction.

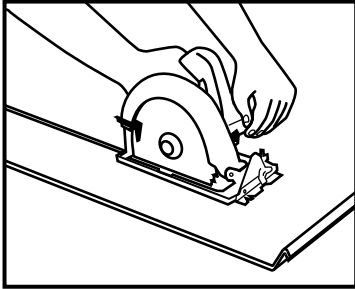
In case of metal rafters, thermal isolation is required between the rafters and the Alu base profile. This is usually obtained by inserting EPDM stripes between rafters and profiles.

Recommended Spans for Rafter and Purlin Design

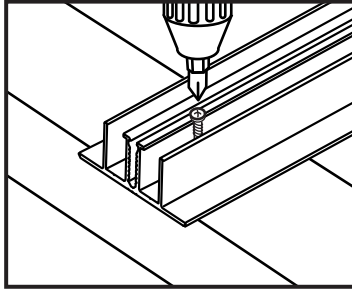
Type	Rafter Centers	Multi-Span								
		Single Span (mm)			Mid-Span (mm)			End-Span (mm)		
		75kg/m ²	100kg/m ²	125kg/m ²	75kg/m ²	100kg/m ²	125kg/m ²	75kg/m ²	100kg/m ²	125kg/m ²
3/600	600	900	820	760	1540	1400	1300	1210	1100	1020
4/600	600	900	820	760	1540	1400	1300	1210	1100	1020
4/800	800	820	745	690	1400	1275	1180	1100	1000	925

Installation

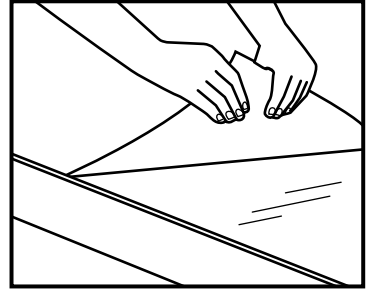
1 Cut to size



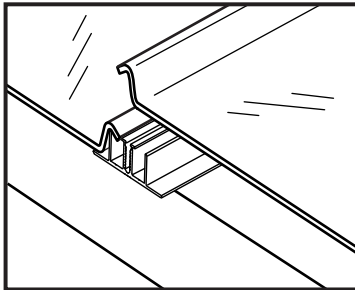
2 Fix base



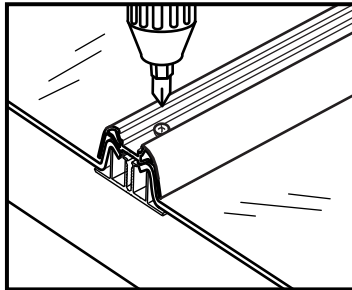
3 Remove inner masking



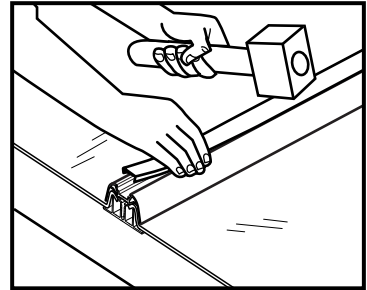
4 Position the Panels



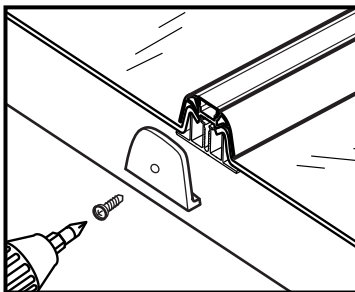
5 Fix Cap



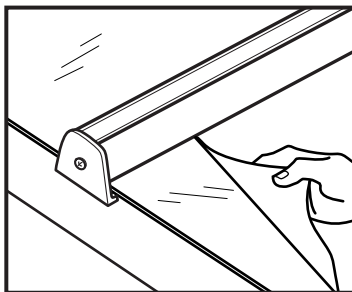
6 Assemble Cap Plug



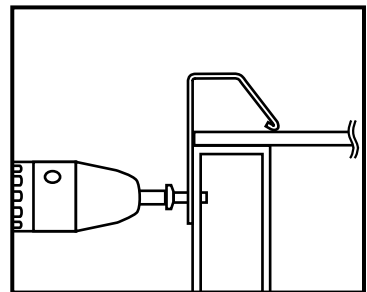
7 Fix End Cap



8 Remove outer masking



9 Install side flashings



1. Cut to size (Fig. 1)

Cut Alu-profiles to length, allowing for overhangs of up to 100mm at each end. An overhang of minimum 50mm over the gutter is recommended. Cut panels to length, 20mm shorter than Alu-profiles for expansion allowance. Use a circular saw or hand saw with fine tooth blades and a moderate feeding rate to ensure a smooth cut.

2. Fix Base profile (Fig. 2)

Set the first Base profile at the center of the support-

ing structure, and fix it to the structure using the provided fixing screws. Fix screw at each purlin or by the recommended span on a rafter. (It is recommended to position screws on each base side alternately).

3. Remove inner masking foil (Fig. 3)

Remove protective foil from the panel's internal face only. To avoid scratching, keep this side away from the roof purlins until the Panel is finally positioned.



4. Position Panels (Fig. 4)

Position the first two Panels onto the Base profile. Make sure the Panels are correctly seated along their whole length.

5. Lock Cap (Fig. 5)

Position Cap onto the Base and Panels edges. Pre-drill 5mm holes along the positioning groove every 25cm (it is recommended to perform pre-drilling in advance on the ground). Fix the Cap with locking screws through the pre-drilled holes and into to the Base profile.

6. Insert Cap Plug (Fig. 6)

Click Cap Plug into place on the Cap using a rubber mallet or your fist, performing moderate strikes with short intervals.

7. Fix End Closure (Fig. 7)

Fix End Closure at the bottom end of the Alu profiles (gutter end).

8. Remove outer masking foil (Fig. 8)

Remove the protective foil from the Panel's external face shortly after installation.

Delaying foil removal can make it very difficult to remove later (on hot days remove top protective film immediately after installation to prevent film from bonding to the panel).

9. Fix next Base

Position the next Base to meet the first Panel edge. Make sure the edge is all the length in place. Fix screw at each purlin or by the recommended span on a rafter.

(It is recommended to locate screws on each base side alternately).

10. Repeat stages 3 to 9.

11. Cut side panels to size

Determine width of the required side panels and cut to size. Use a circular saw or hand saw with fine tooth blades and moderate feeding rate for easier and better cutting.

12. Side Flashings (Fig. 9)

These are purpose made flashings (by others), and used on the structure sides, as a fastener as well as a flashing, when end panels width is cut to size.



Note:

SUNGLAZE system does not require using silicones or adhesives for parts interface. For sealing of flashing assemblies use only PALRAM approved accessories, silicones, sealing tape, closure fixtures etc.

For cleaning SUNGLAZE panels use water pressure cleaner and allow natural drying. Do not use cloth/ sponge/ chamois or similar, doing this can scratch the panels and harm their performance.



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