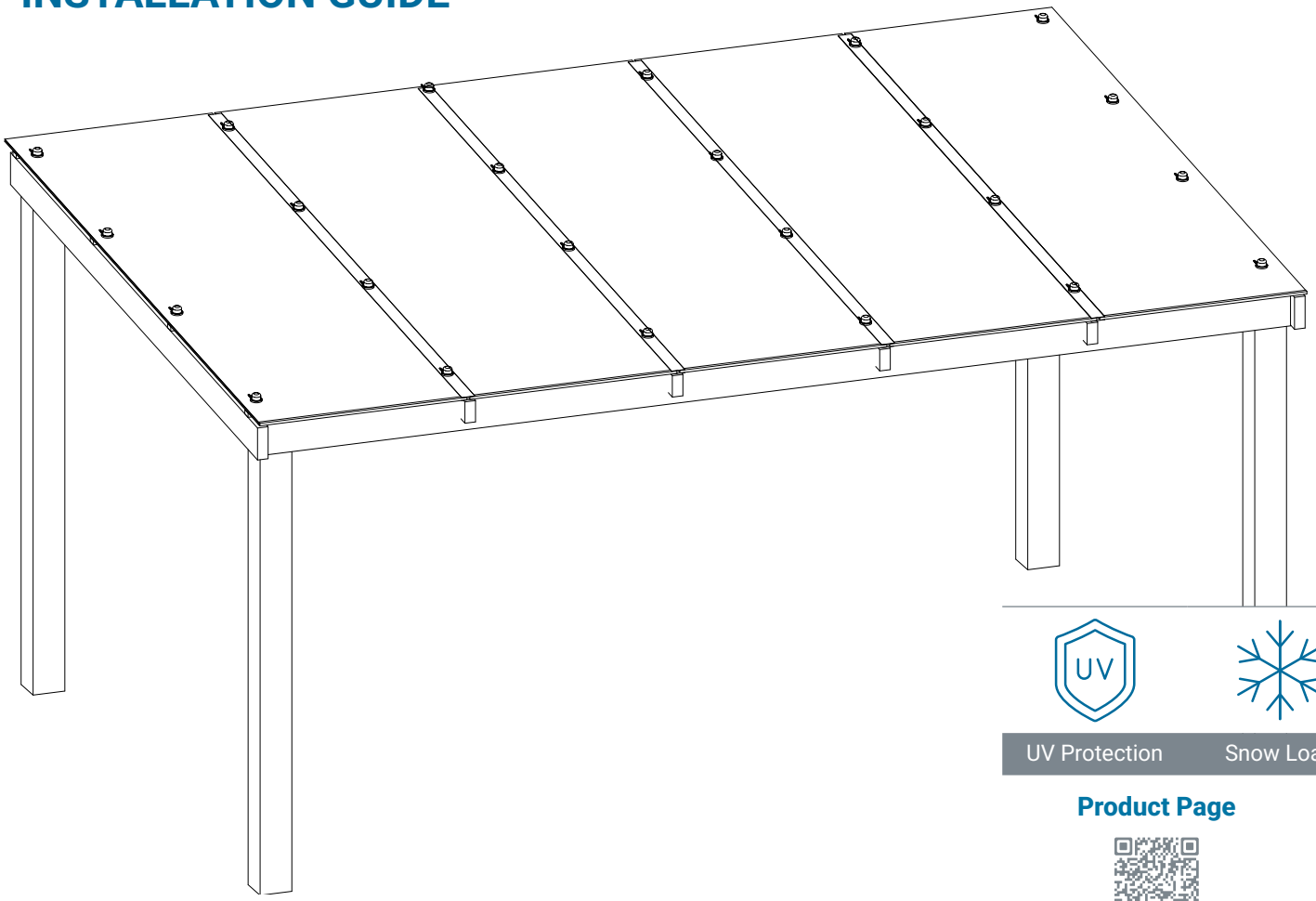
SUNLITE®

Multiwall Polycarbonate Sheet



INSTALLATION GUIDE



UV Protection	Snow Load	Wind Resistant	Clean & Elegant	Easy to nstall

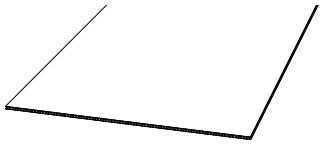
Product Page

Installation Video

PALRAM Website

KIT COMPONENTS

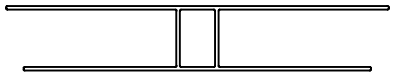
SUNLITE Sheets
10mm or 16mm



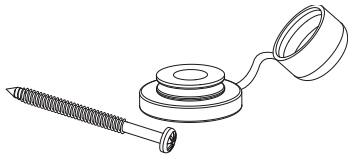
U Polycarbonate Profile
10mm or 16mm



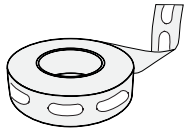
H Polycarbonate Profile
10mm or 16mm



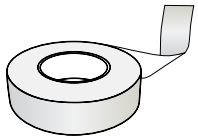
Fixing Kit



Breather Tape

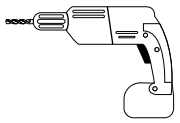


Impermeable Tape



REQUIRED TOOLS

Drill



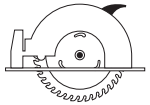
Screw Gun



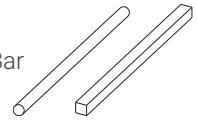
Rubber Mallet



Circular Saw



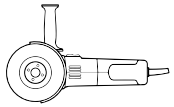
Profile Spacer Bar



Ladder



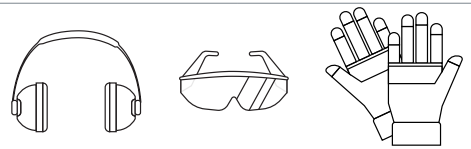
Angle Grinder



Measuring tape

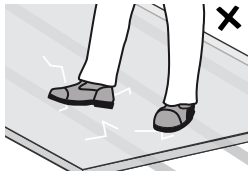


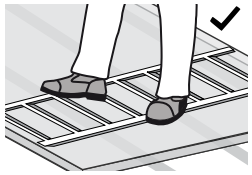
SAFETY COMES FIRST



Do not step directly on the sheets between the purlins!

When installing SUNLITE or doing maintenance work, always consider the sheet to be unfit to support a person's weight. Always use stepping ladders or crawling boards, supported by minimum three roof structural elements, when working on a glazed roof of any kind.

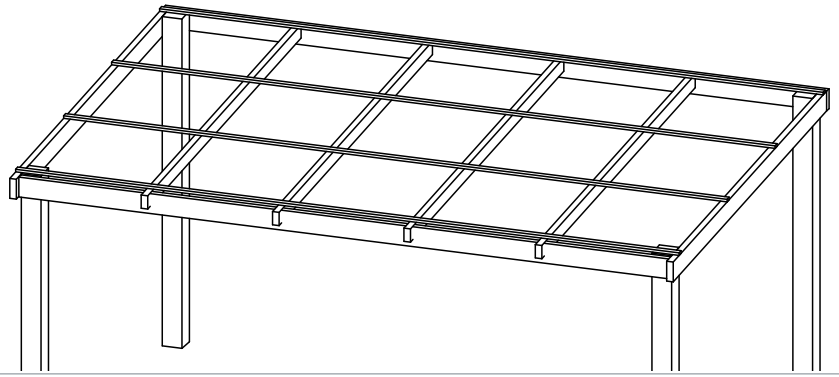




BEFORE INSTALLATION - Guidelines for substructure

Ensure that the underlying roof structure is square before starting installation of the SUNLITE® Sheets.

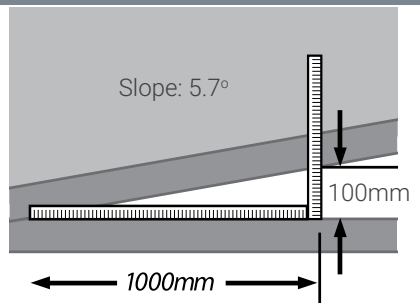
1 - Purlin Spacing



- Purlin distance (crossbar-connection): For 16 mm SUNLITE: less than 800 mm, For 10 mm SUNLITE less than 600 mm.

Note for arched applications: For 16 mm SUNLITE maintain a radius above 3.2 m and for 10 mm SUNLITE a radius above 2.0 m.

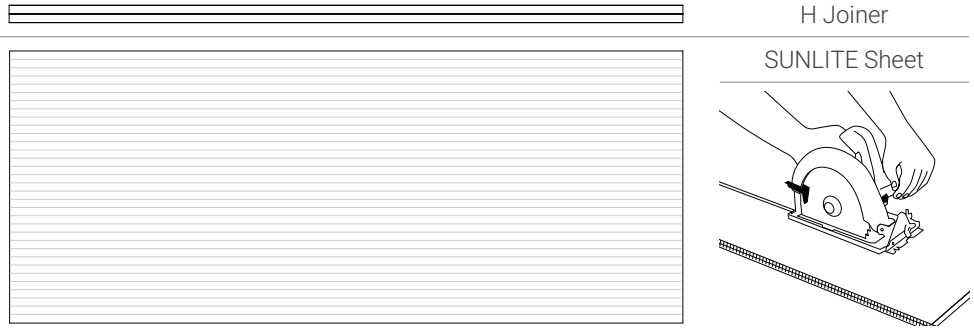
2 - Ensure Minimum Roof Pitch



- Confirm that the roof pitch is at least 10% (200mm rise for 2m length or 250mm for 2.5m length).
- This minimum pitch will ensure proper water runoff and help keep the Roof Panels clean.

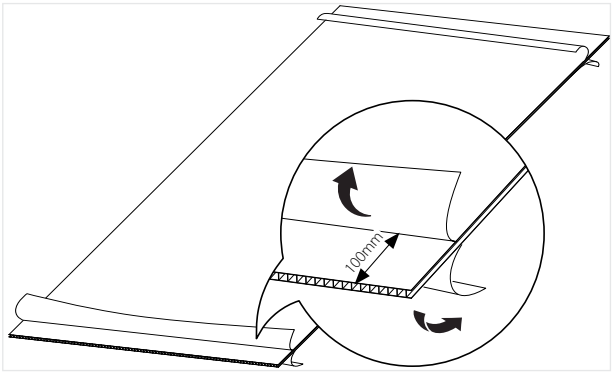
3 - Measure and Cutting

Note: All accessories and Sheets length suite each other. If a shorter length is required remember to cut the H profile to the same length of the sheet.



- Cut the sheet to the desired length (if needed). Make sure to allow an overhang of 50-100mm beyond the bottom purlin.

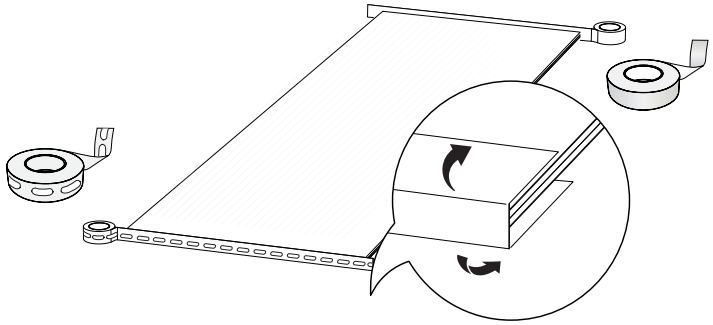
4 - Protective Film Removal



- Remove 100 mm of protective film from the edges of both open sides of the sheet to allow the application of the sealing tapes.

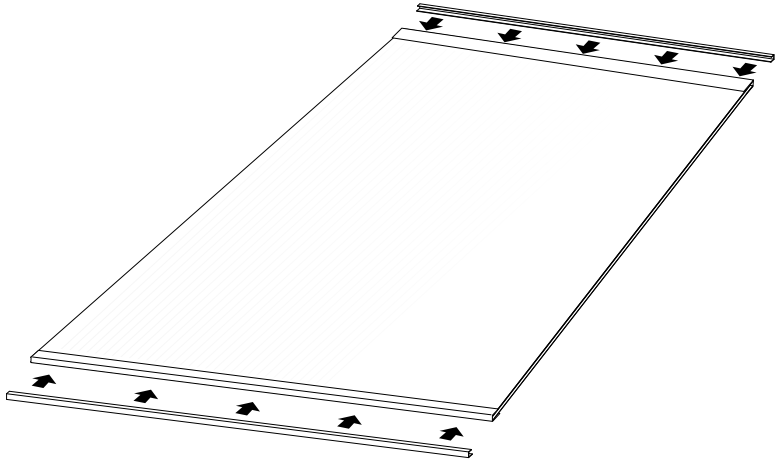
BEFORE INSTALLATION - Preparation of sheets

5 - Breather and Impermeable tapes

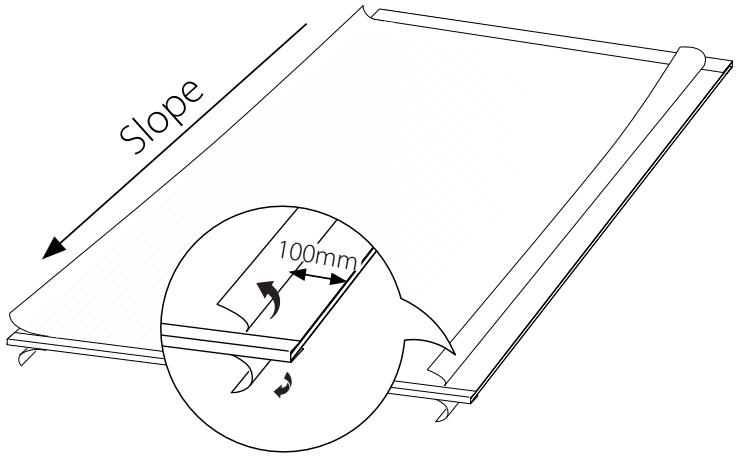


- Apply the **impermeable tape** to the top end of the sheet, and carefully fold the protruding sides over both sheet faces to cover the internal channels. Ensure that all open channels of the sheet are sealed.
- Apply **breather tape** over the lower end of the sheet, and carefully fold the protruding sides over both sheet faces to cover the internal channels. Ensure that all open channels of the sheet are sealed.

6 - Apply U profiles on both sheet ends (Over the tapes)

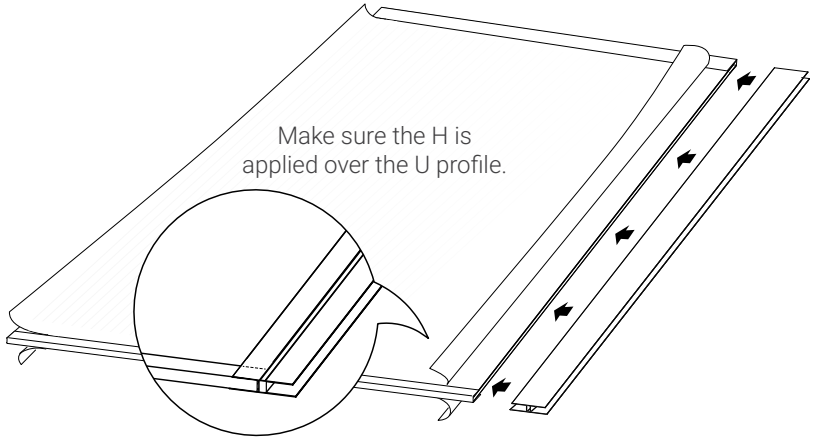


7 - Protective Film Removal



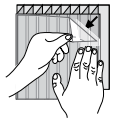
- Peel off the masking along the edges of length sides at both sides of the sheet, for about 80-100 mm from the edges.

8 - Apply Polycarbonate H profile on one side of the sheet only



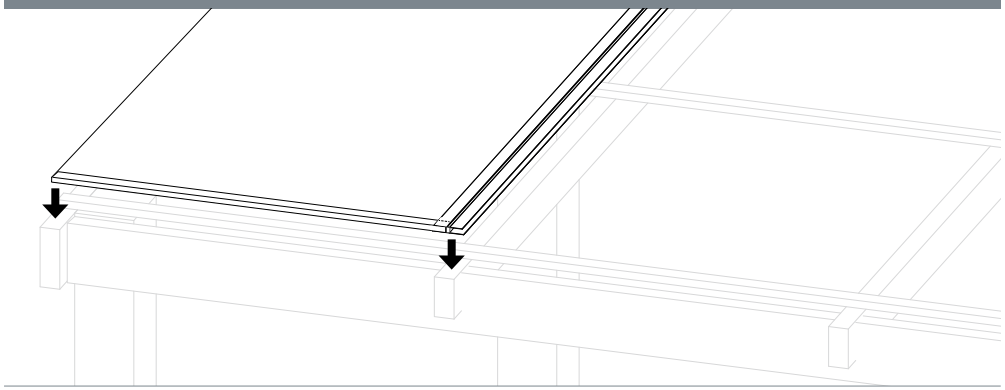
- Apply the Polycarbonate H profile on all sheets except one.

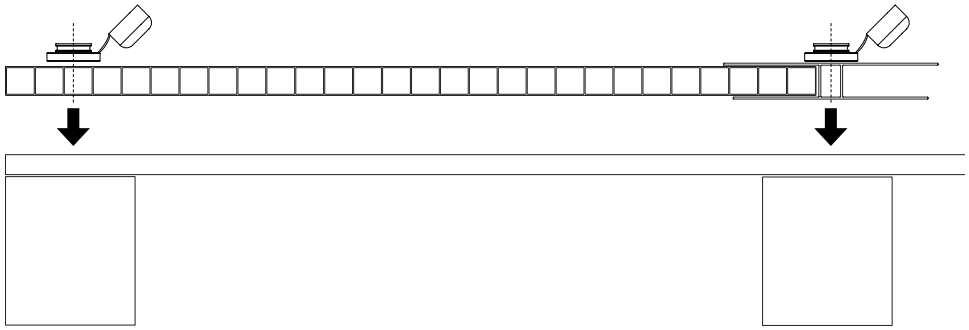
INSTALLATION

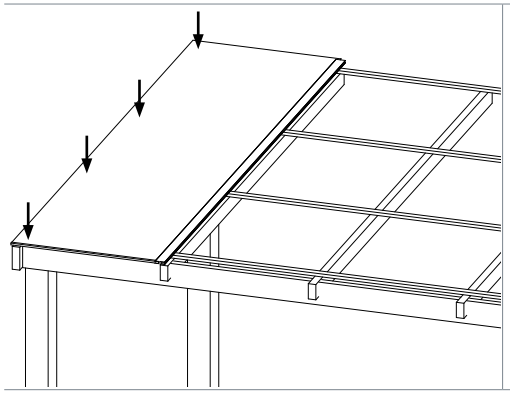


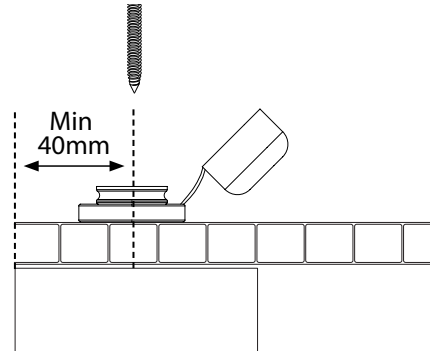
Roof Panels must be cut shorter than Profiles to allow for panel expansion during hot weather. See the proper calculations above.

9 - Place and Fasten the first SUNLITE sheet and H Profile - pergola edge (side)

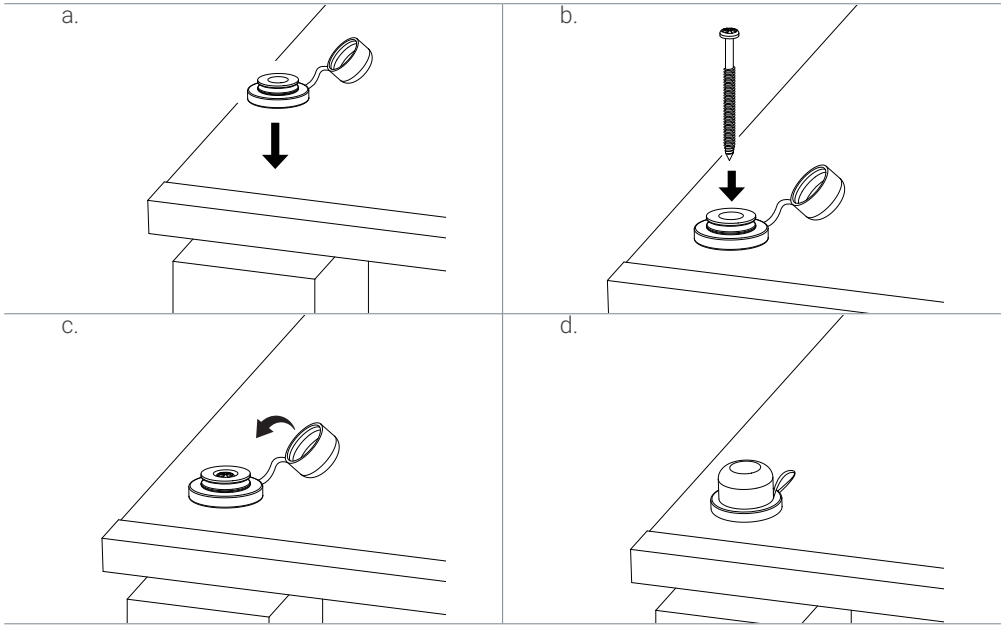






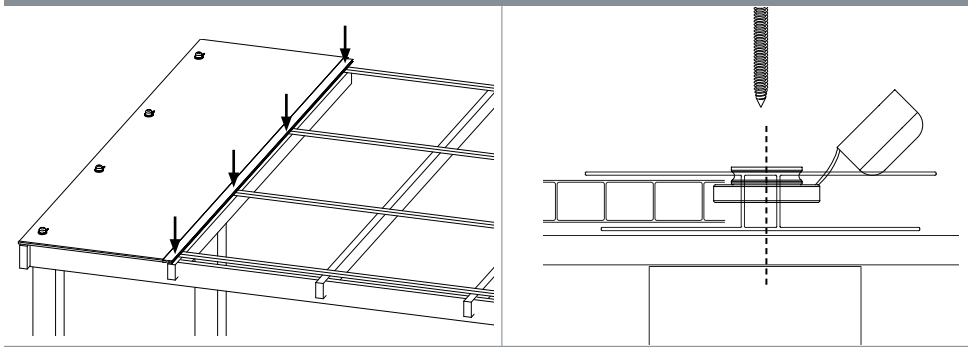


- Align the SUNLITE side with the structure make sure to allow the desired overhang (see stage #3).
- Screw fasten the SUNLITE sheet each purlin.

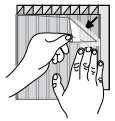


INSTALLATION

10 - Place and Fasten the first SUNLITE sheet and H Profile - through first H Profile

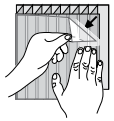


- Screw fasten through the H profile each purlin.

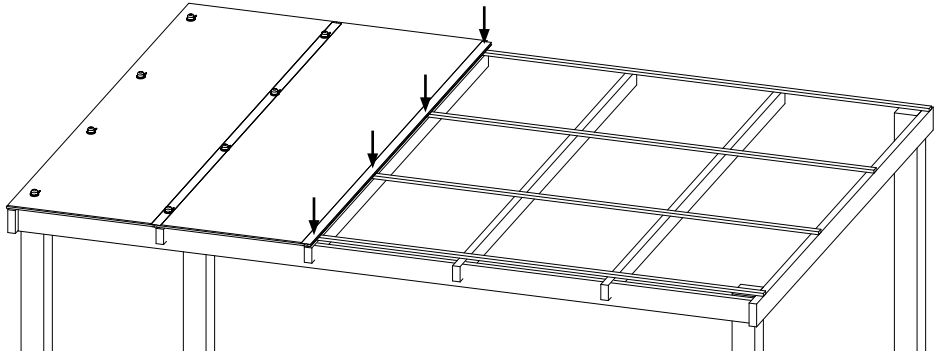


After the SUNLITE Panel is fully installed remove the protective film from the top of the Panel.

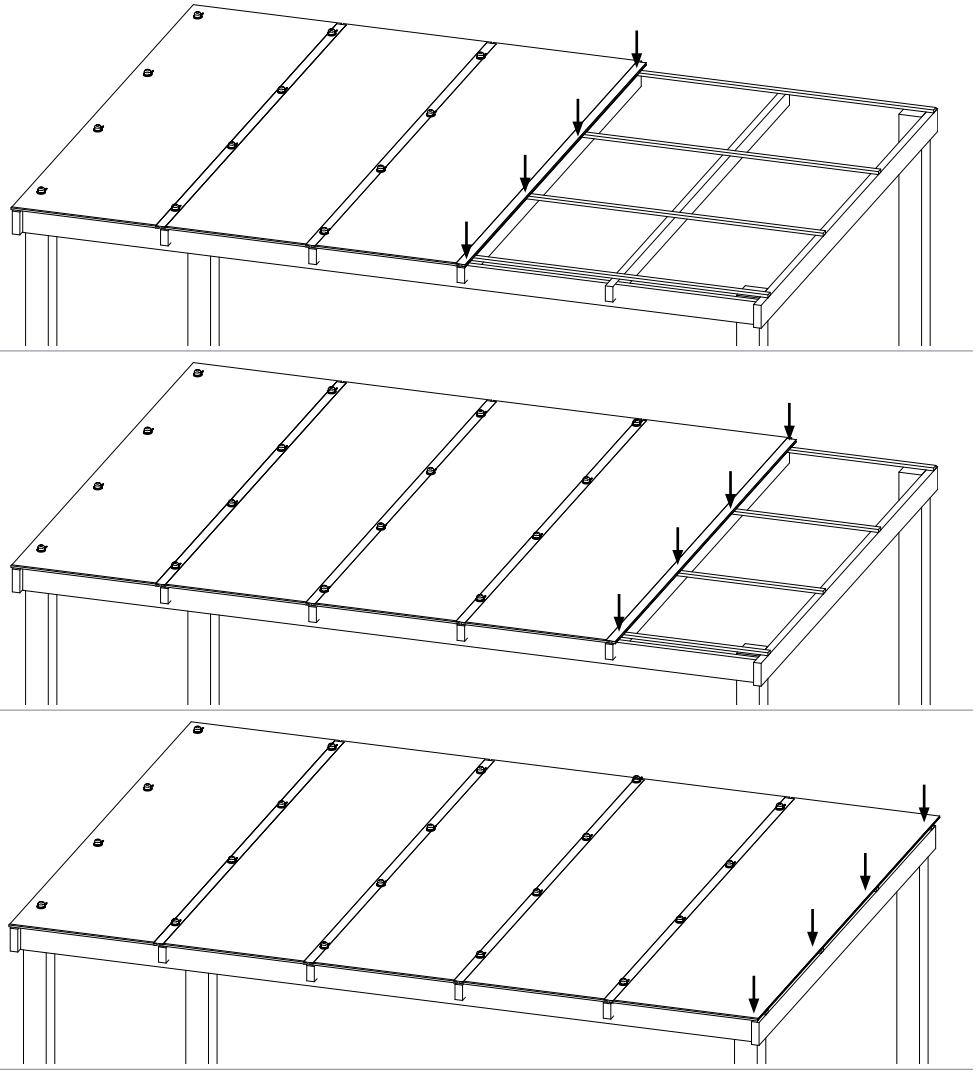
11 - Place and fasten the second SUNLITE sheet and H Profile



Remove the protective film from the bottom of the Panel before installation. Bottom side only!



12 - Repeat stage 10 until all the pergola is covered



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ISO 9001 QUALITY ASSURANCE

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