

Multiwall polycarbonate

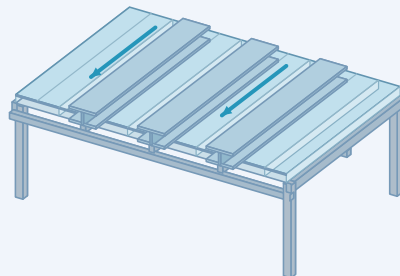
Installation guide

PLAN THE SHEET DIRECTION

Run the channels down the roof slope so condensation can drain freely.

UV-protected side faces outward.

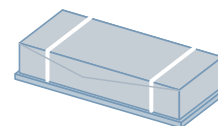
Schematic illustration, not to scale.



IMPORTANT / STORAGE AFTER UNPACKING

Once the outer grey factory wrapping is removed, keep sheets with their protective film out of direct sunlight.

Stacked sheets trap heat. Cover them from light and keep them away from heat sources.



Outer grey wrapping
Not the sheet film

Eight essentials

BEFORE YOU BEGIN



Channels follow the slope

On walls, fit the channels vertically.



UV side faces out

Follow the marking on the protective film.



Roof slope of at least 5°

Unless the particular product specifies otherwise.



Choose compatible components

Profiles, gaskets and sealants must suit polycarbonate.



Keep drainage open

Let water and condensation escape below.



Allow thermal movement

Leave the specified expansion gaps.

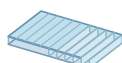


Do not overtighten

Do not clamp or crush the sheet.

What you will need

MATCH COMPONENTS TO YOUR SYSTEM



Sheets
Multiwall



H-profile
One piece



Click profile
Cap + base



U-profile
End closure



Sealing tape
Aluminium / top



Ventilating tape
Bottom



Fasteners
As specified

Tools: tape measure, spirit level, fine-tooth saw, drill, vacuum or dry compressed air.

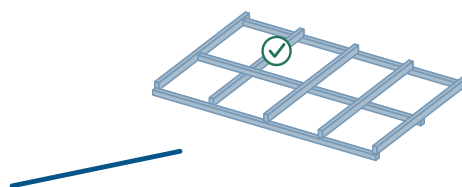
H and Click profiles are alternatives; the steps show the H-profile system. If using aluminium profiles instead, pair them with EPDM gaskets.

Prepare the sheets

Steps 1-5 Keep the protective film on while you work.

1 Check the structure

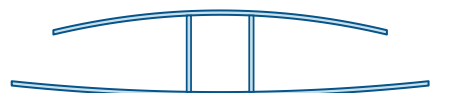
Check that the structure is flat, rigid and has the required slope. Painted or treated timber must be dry before fitting.



Flat, rigid and dry / check the required slope

2 Prepare the profiles

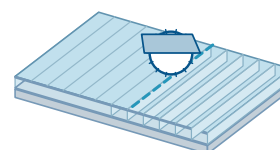
Measure and prepare H-profiles to match the sheet thickness and supports. Follow the fixing requirements for your selected system.



H-profile / match the sheet thickness

3 Measure and cut

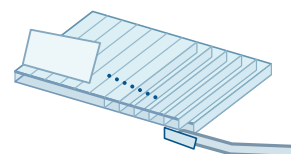
Cut with a fine-tooth saw on a flat surface. Support the sheet close to the cutting line.



Fine-tooth saw / support close to the cut

4 Clean the channels

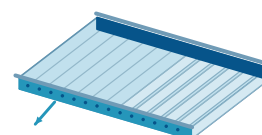
Remove chips with a vacuum or dry compressed air. Peel back the film only at edges needed for tapes and profiles.



Remove chips / peel back the edges only

5 Close the sheet ends

Apply aluminium sealing tape at the top and ventilating tape at the bottom. Fit U-profiles over both taped ends without blocking drainage.



Top: seal / bottom: ventilate / U-profiles over tapes

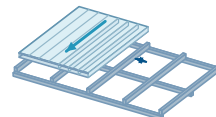
Next: position, join and fasten the sheets.

Fit, fasten and finish

Steps 6-10 Allow movement and keep drainage clear.

6 Position the first sheet

Face the UV side out, with channels down the slope. Leave the specified expansion gaps along both the length and width.



UV side out / channels down the slope

7 Join the next sheets

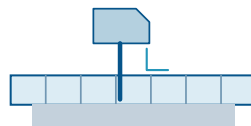
Insert adjacent sheet edges into opposite H-profile slots. Keep the specified gaps and do not force the edges fully in.



Opposing slots / leave room for movement

8 Drill and fasten

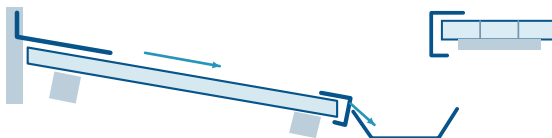
If through-sheet fixing is required, drill straight with a hole diameter about 2 mm larger than the screw diameter. Do not overtighten.



Hole diameter = screw diameter + approx. 2 mm

9 Finish the edges

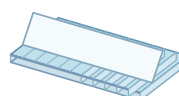
Finish the wall junction, side edges and lower gutter edge. Keep the lower drainage path clear for water and condensation.



Wall junction / gutter / side edge

10 Remove film and check

Remove the protective film after fitting. Check the channels, tapes, profiles, expansion gaps and screw tension.



Remove the film only after installation

Tighten evenly without crushing the sheet

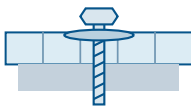
OVERTIGHTENED



Sheet compressed



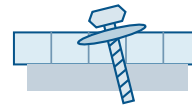
CORRECT



Even seal



ANGLED



Uneven contact



Never walk directly on the sheets. Use a board securely supported by the load-bearing structure.

Need installation advice?

polyplast.it

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Installation video

Video link pending

