



Marlon R Glaze

Roof Glazing Panel Installation Guide



To install Marlon R Glaze you will need:



Marlon R Glaze Polycarbonate Panel



White EPDM Foamed Tape



Marlon R Glaze Fixings



Flashing (Optional)

| 01

Start with a structure that is sound and square. Roof should be sloped to a minimum of 5° for adequate water run off.



Rafters must be at 600mm centres.

| 02

Add foam tape to the top of all rafters. This will provide a friction barrier and eliminate any noise created by thermal movement of the polycarbonate panel.



| 03

Sheets are available in standard lengths however, trimming if required is possible. See reverse for further details on cutting.



| 04

Position the first sheet on the roof ensuring the sheet slides under any pre-installed flashing. Leave a gap of at least 25mm between the top end of the panel and the wall to allow for thermal expansion. Ensure an overhang of between 50-150mm at the bottom end of the panel.



| 05

Measure and mark fixing holes with a marker as follows:

- Fixings at both edges of the sheet (top and bottom) should be 30-50mm from the end of the rafter.
- Remaining fixings should be marked every 500mm (up to 2.0kN/m²)



| 07

Position the pre-drilled panel onto the roof and fix on the outer edge of the canopy with Marlon R Glaze fixings.



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Remove film from both the top and bottom of each panel immediately after installation of the panel. Protective film is 100% recyclable and should be disposed of responsibly.



| 06

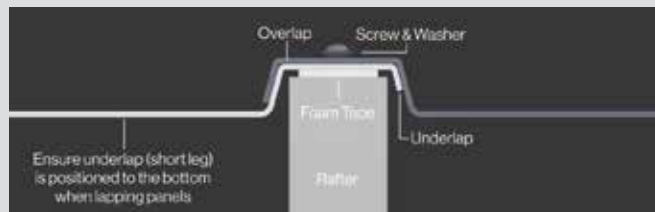
Pre-drill 12mm diameter holes (see reverse for more detail). Panels can be stacked for drilling up to a maximum of 3 panels.



| 08

! Important – Sheet Lapping !

Fix the next panel into place ensuring that the underlap (short leg) is to the bottom of the lap. The underlap is clearly marked on the panel packaging.



| 10

Continue the installation sequence across the canopy until all panels have been installed. Always ensure that the clearly labelled underlap (short leg) is to the bottom of the lap.



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Important Information

Handling & Safety

Do not step directly on Marlon R Glaze panels. Use crawler boards spanning at least three rafters. Always work according to local safety regulations.

Storage

Store in a shaded place, protect from direct sunlight and rain prior to installation. Avoid covering the sheets with heat absorbing materials. Avoid contact with chemicals. Protect the sheets from physical damage.

UV Protection

Marlon R Glaze has a co-extruded UV protection layer on one side, clearly marked on the product packaging. Install with the UV protected layer facing the sun.

Accessories

A full range of fully compatible installation accessories are available. All accessories must be compatible with polycarbonate.

Cutting

Marlon R Glaze can be cut to size if required. For best results use a circular saw fitted with a diamond grit blade. Vary speed rotation and feed rate.

Always support the sheet to avoid stress and vibration. Cutting multiple sheets can be achieved but extra care must be taken.

Service Temperature

For stable prolonged service ranging from -20°C to 100°C (short term unstressed -40°C to 130°C).

Maintenance

In order to maintain this product in good condition it should be cleaned periodically using suitable detergent cleaning agents.

- Do not use solvent cleaners.
- Do not scrub with brushes or sharp implements.
- Avoid cleaning in hot sun or high temperatures.

Spanning

Load	Fixing Centres
Up to 2.0 kN/m²	500mm
Over 2.0 kN/m²	250mm

Drilling

Metal drill bits are suitable for drilling Marlon R Glaze. Hand or power drills can both be used. If using a power drill, set to a slow speed.

Support the sheet underneath the hole position to avoid vibration. Fixing holes should always be oversized to allow for thermal movement.

Flashing

Marlon R Glaze notched flashing fits perfectly over the profile of the Marlon R Glaze panels.

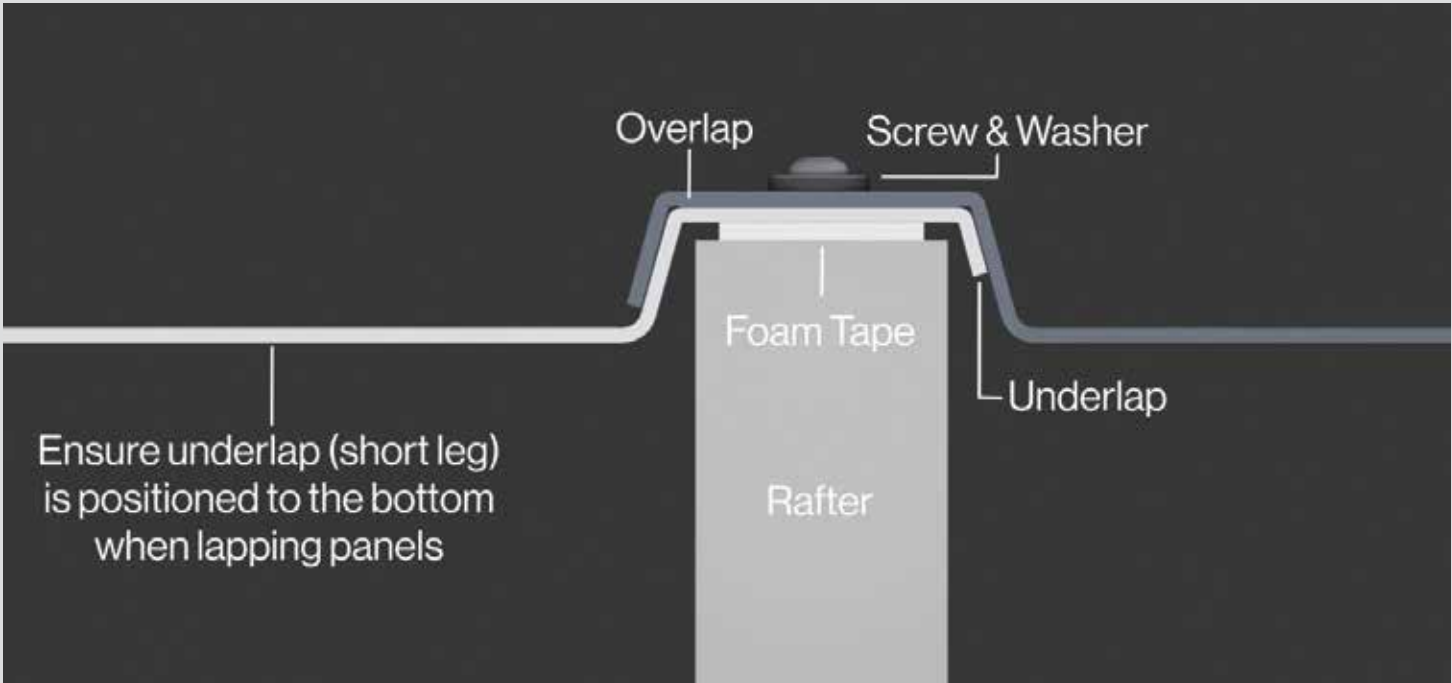


Panel Lapping

Please note that Marlon R Glaze panels are handed and it must be ensured that the UNDERLAP (short leg) is always at the bottom of lapped panels.

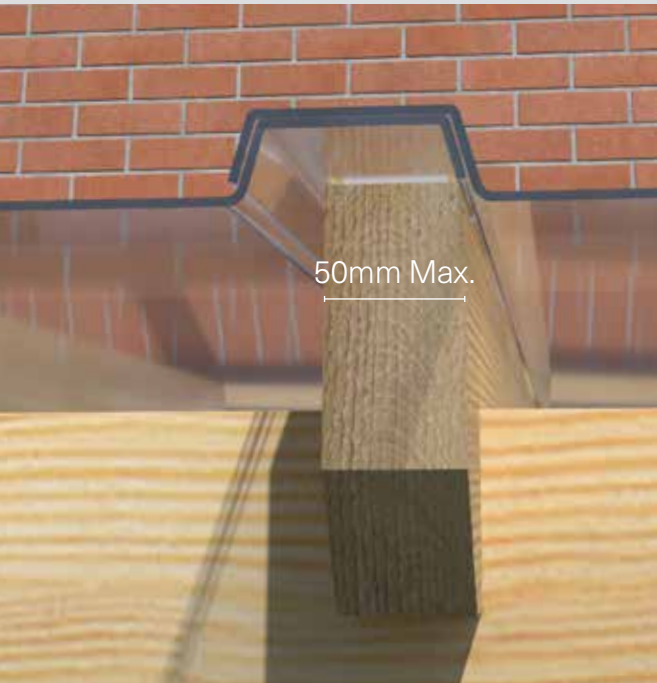
When lapped correctly the top panel will fit snugly over the bottom panel without any force.

The UNDERLAP is clearly marked on the panel packaging.



Canopy Structure

Start with a structure that is sound and square. Minimum roof slope of 5° is recommended for adequate water run off. Marlon R Glaze is suitable for use with both timber and metal/steel canopies. Canopy structure to be designed by others to adequately support live and dead loads. Always ensure compliance with local building regulations/code.



Max rafter width of 50mm. Rafters must be parallel to ensure correct lapping of the Marlon R Glaze panel.

Purlins must be set at 600mm centres. Ensure any paints or preservatives are dry and compatible with polycarbonate before installation commences.

