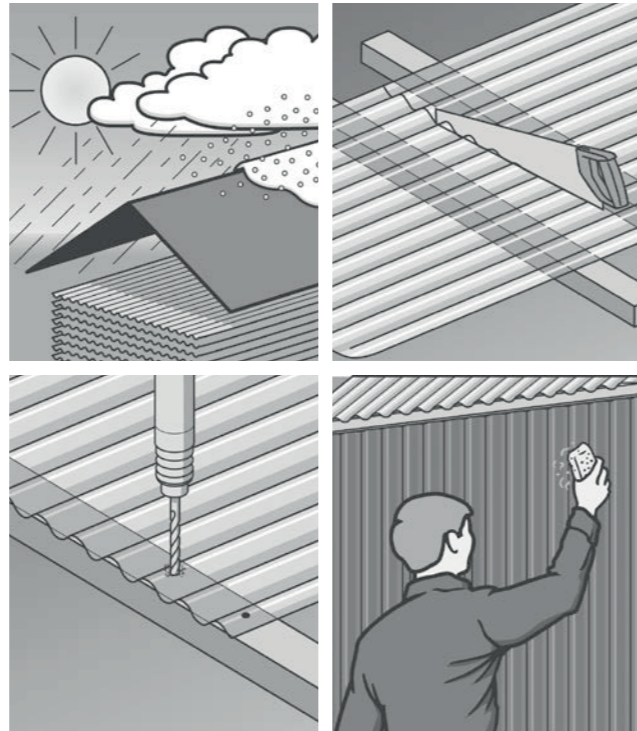


Installation Guidelines

- Store sheets on a flat surface. Stack height should not exceed 1m. Use an opaque cover, tightly secured, to protect from wind, rain and sun. Storage is always preferable indoors.
- Ensure that the clearly marked UV protected surface of the Marlon CS sheet is to the outside.
- Marlon CS sheets must always be installed with the corrugation running vertically, or up-slope.
- Roofs should always be designed with a minimum slope of 5° to allow adequate rainwater run-off.
- Marlon CS sheet can be cut with a hand saw and a variety of powered saws. Always ensure that the sheet is well supported and cannot vibrate.
- Ensure that all sealants and tapes are compatible with polycarbonate.
- All accessory products should be light coloured, preferably white.
- Clean away all dust created when drilling fibre cement sheets.
- Sheets spanning up to two purlin spacings are of optimum length to cope with thermal movement.
- Maximum recommended sheet length for Marlon CS is 4m.



Drilling & Fixing

IMPORTANT

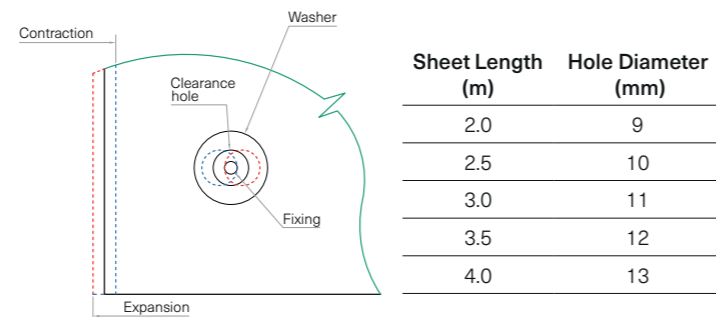
Polycarbonate sheet will expand in the heat and contract in the cold.

Sufficient allowance for thermal movement must be made when fixing the sheet by:

1. Drilling oversized fixing holes

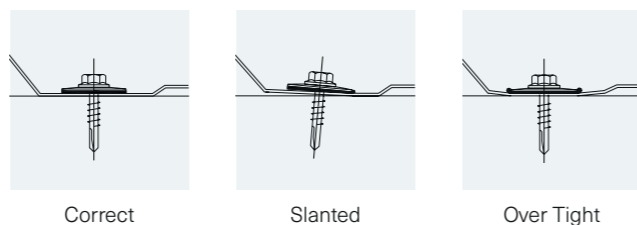
See table (right) for recommended clearance hole sizes for a Ø5mm fixing.

- This will accommodate +/-30° temperature range
- Metal drill bits are suitable, if using a power drill set to a low speed. Make sure that the sheet is supported underneath to avoid vibration
- Drill at least 40mm from the edge of the sheet



2. Avoiding overtightening of fixings

- This will allow for natural movement of the sheet and will avoid unnecessary damage



Finishing

- Contact with plastisol coated metal sheets, wet wood preservatives, solvents and alkali cleaners should be avoided. However Marlon CS has good resistance to acids, aliphatic hydrocarbons and alcohols; common environmental pollutants and marine environments do not have a detrimental effect.
- Use a low-modulus neutral silicone sealant as an all-purpose silicone will cause polycarbonates to crack and disintegrate.
- Ensure all branded ribbon is completely removed immediately after installation.

Marlon CST Additional Considerations

In addition to all of the installation guidelines on pages 26 & 27 of this brochure the following considerations apply when installing Marlon CST sheet:

- Ensure mitres on Marlon CST and fibre cement sheets correspond
- Use Marlon CST sheets of equal length to the fibre cement on a roof
- Proper purlin spaces must be maintained appropriate to loading
- Sealants and washers on fasteners must be compatible with polycarbonate and should be preferably white in colour
- The sheet should be supported with foam fillers at each purlin position
- Marlon CST is not suitable for curved roof applications
- Fasteners must be fitted with a 25mm EPDM bonded washer (BAZ washer)
- Clean away all dust created when drilling holes in fibre cement sheets
- Primary fasteners must be fixed through each crown at top and bottom end laps, and through alternative crowns on intermediate purlins.

IMPORTANT

When installing any roofing material, including rooflights, ensure that safe working methods are adopted and appropriate safety equipment is used.

Installation Accessories

A full range of fully compatible accessories including ridge pieces, flashing, fixings, foam fillers and silicone sealant are available for the complete roofing solution.

It is important when installing any Marlon CS sheet that accessories are compatible for use with polycarbonate.

