



marlonst
LONGLIFE

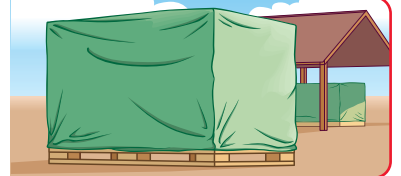
Important Installation Facts

INTRODUCTION

Marlon ST Longlife is robust yet lightweight. Installation is straightforward but it is **IMPERATIVE** that the following **RULES** are applied to **EVERY** installation.

STORAGE

Store sheets on flat surfaces. Use an opaque cover; tightly secured, to protect from wind, rain and sun. Storage is always preferable indoors.

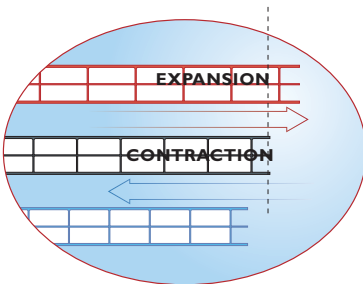


INSTALLATION

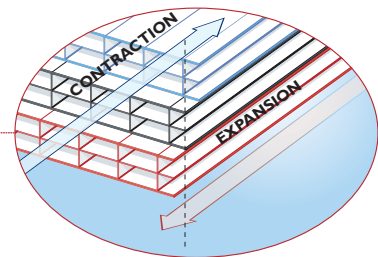
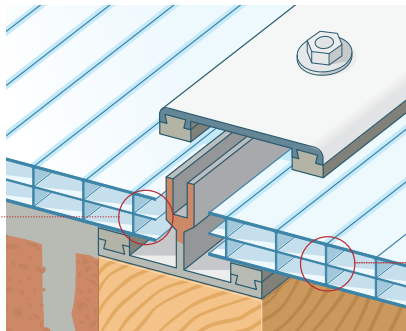
- Ensure that the clearly marked UV protected surface of the Marlon ST Longlife sheet is to the outside.
- Marlon ST Longlife sheets must always be installed with the ribs running vertically, or up-slope.
- Roofs should always be designed with a minimum slope of 5° to allow adequate rainwater run-off.

IMPORTANT THERMAL MOVEMENT

**POLYCARBONATE SHEET WIDTH
EXPANDS IN HEAT AND
CONTRACTS IN COLD**



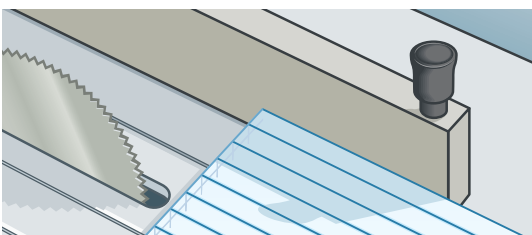
**POLYCARBONATE SHEET LENGTH
EXPANDS IN HEAT AND
CONTRACTS IN COLD**



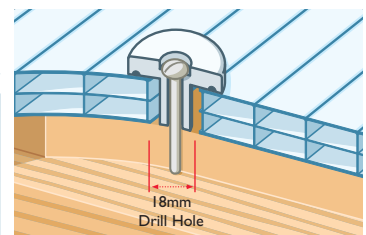
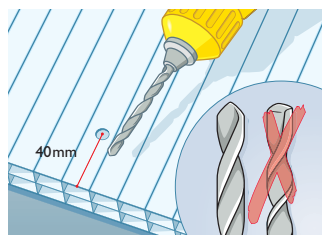
Accommodating the thermal expansion of Marlon ST Longlife sheet cannot be over emphasised as this is generally greater than that of other popular glazing materials and affects both length and width.

Sufficient allowance for thermal movement must be made in all glazing bars, side and end closures.

CUTTING & DRILLING



Can be cut with a fine tooth circular saw or hand saw at a shallow angle.



Always pre drill oversized holes (18mm) AND always drill between the ribs and at least 30mm from end of sheet.

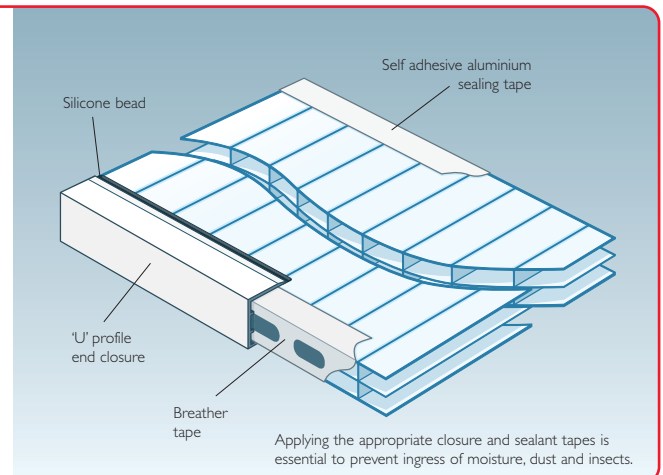
SHEET END CLOSURE

A sealing tape must be used at the top of the sheet (preferably aluminium) to prevent ingress of moisture, dust and insects.

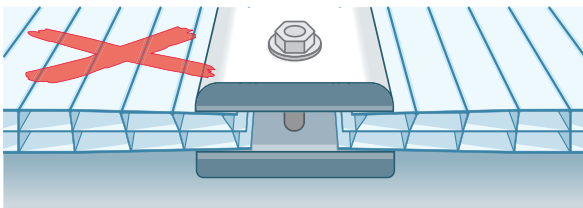
A low-modulus neutral silicone **MUST** be used as an all-purpose silicone will cause polycarbonates to crack and disintegrate.

A breather tape must be used at the bottom end of the sheet to minimise condensation and prevent dust or insects entering the sheet.

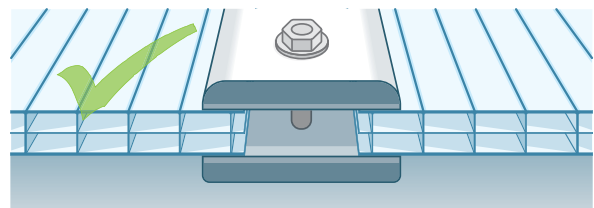
The breather tape must be covered with a 'U' profile sealed to the top face of the sheet with a small silicone bead.



SECURING THE SHEET



Do not fix or clamp sheets too tightly.



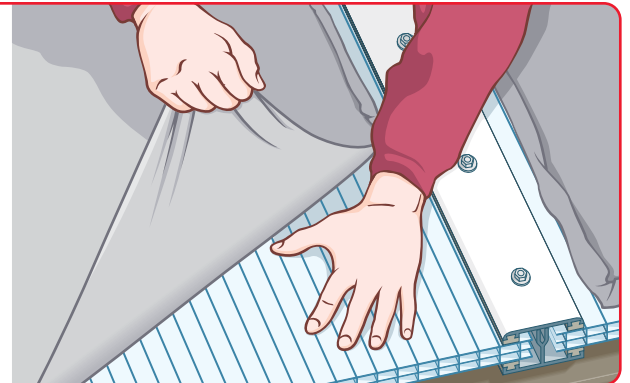
Leave room for thermal movement.

FILM REMOVAL

The UV protected surface of Marlon ST Longlife is covered at manufacture with a branded film. A further plain film is applied to the inner surface.

To install, the films should be peeled back about 50mm to allow clean sheet insertion into the glazing system and application of end tapes and closure.

Ensure all film is completely removed after installation is complete.



CLEANING & MAINTENANCE

Wash the roof periodically, at least once a year. Use copious amounts of lukewarm water with an ordinary non abrasive household cleaner and a sponge or soft cloth. Particular care should be taken when cleaning hardened debris from the roof.

Never stand directly on the roof.

Avoid any abrasive cleaners or solvents.

Do not scrub Marlon ST sheet with brushes or sharp instruments.

Avoid all contact with wood preservative or paint.