

TWINFIX P227 Structural Glazing System

For the installation of 10mm, 16mm & 25mm multiwall Polycarbonate sheet.



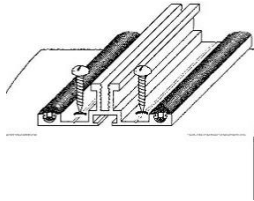
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Sheet thickness	Glazing bar centres	Spans unsupported
10mm	700mm	1500mm
16mm	1000mm	1400mm
25mm	1250mm	1200mm

spans are based on a typical loading of 0.6kN.

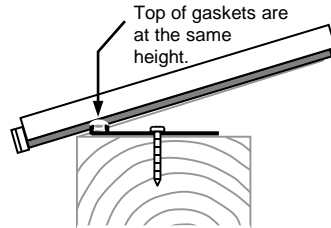
METHOD OF INSTALLATION >>>>>>>>

1



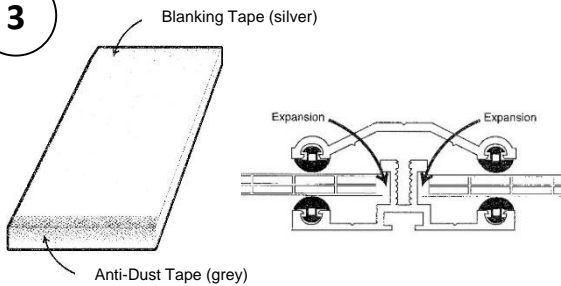
Cut aluminium bars to required lengths. Install with suitable screws to the eaves beam, wall plate/ridge beam and any intermediate purlins.

2



If an eaves filler is being used, cut to length to fit between the installed bars and screw fix.

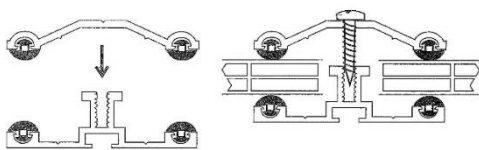
3



Place glazing sheets onto the bars (see table above for max bar centre guidelines).

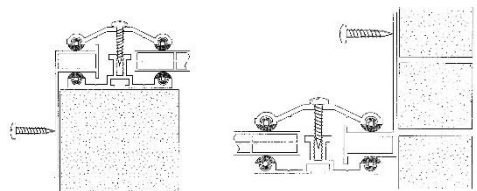
Cut to size sheet is supplied blown free of dust and taped ready to fit. If cutting sheet on site then the size will be 20mm narrower than your glazing bar centres to allow for expansion and 12mm shorter than the glazing bar length to allow for top and bottom 'U' profiles. You must also ensure that the flutes of the polycarbonate are free of any dust or swarf. This is done by blowing air through the flutes before sealing each end with the relevant tape; blanking tape to the top (silver) and anti-dust/breather tape to the bottom (grey).

4



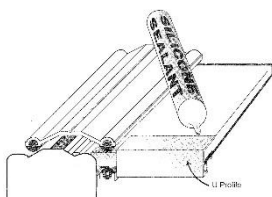
Secure the glazing cap to the base using the appropriate screws (using plastic cover caps if required), 50mm from each end and 300mm max centres, ensuring screws are not over tightened as this will limit the expansion and compress the sheet. Repeat this process for the remaining panels.

5



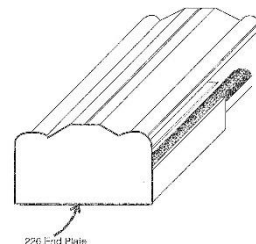
At the start and finish of a glazing area, a side trim profile can be used, clamped into the glazing bar. If fitting to a side wall turn the profile with the leg facing upwards, this must then be sealed or dressed with a flashing.

5



Cut 'U' profiles to fit between bars, at the top and bottom, and push onto polycarbonate sheets. A bead of silicone sealant can be applied to the upper side of the sheet along the line where it meets the U profile. Only use silicone sealant that is compatible with polycarbonate

6



Press polycarbonate cap into aluminium bar ensuring that it is fully clipped into the correct location.