TECHNICAL DATA

What's more, PSP Twinwall stays tough, longer. After years, it still has over
the glass simply can't offer, think PSP Twinwall.

PSP Twinwall polycarbonate sheeting has been designed to handle life's
properties keep you warm without the need for double glazing.

PSP Twinwall saves you money too. It's lighter than glass, so you don't
provide you with a healthy barrier against harmful UV radiation too, so

When you're after light and visibility, but want the shatter-proof safety
features ensure lightweight structures with greater spans to be designed and

In many curved applications e.g. arched walkways. PSP Twinwall must always
be bent longitudinally, never across the width of the sheet.

So think tough and safe - with PSP Twinwall polycarbonate sheeting.

For general maintenance and cleaning, use a high pressure hose or water blaster at least twice a year. Keep the water blaster up to at least 8bar away from the PSP Twinwall Films and profile. Never wipe panels when dry.

FEATURES

An outstanding balance of low weight and high stiffness enables lightweight structures with greater spans to be designed and easily installed. The method avoids the use of the layers, which ensures outstanding thermal insulation performance.

Lightweight - An outstanding balance of low weight and high stiffness enables lightweight structures with greater spans to be designed and easily installed.

For example, 11 rafters will require 10 x Glazing Panel 736mm x 586mm. For a rafter structure that has its rafters spaced at 750mm centres. The panel width is 736mm.

Environmental Standards - In many cases these high performance polycarbonate sheet products may be recycled.

Elasticity of Design - PSP Twinwall sheets can be cold bent and used in many curved applications such as walkways. PSP Twinwall sheeting may be treated longitudinally, never across the width of the sheet.

The recommended glazing panel for the framing system is 1.2 meter for low to medium wind and snow conditions.

PSP Twinwall fixings should be used to secure the sheets.

When cutting the sheets twice in the

The extrusions, see Diagram 8.

PSP Twinwall is supplied with a protective film on both sides of the sheet.

The protective film must be kept on whilst installing and working with

CUTTING

Sheets can be cut with a Stanley knife, a fine-tooth circular saw, alternative shears or sheet cutter at a shallow angle to the top of the sheet. When cutting a polycarbonate sheet it is important to hold the sheet firmly and without pressure.

ORILLING & FIXING

Sheets can be drilled using standard drill bits, however the sheet must be supported firmly underneath. It is important to allow for thermal expansion, holes for fixing should be drilled larger than the screw shaft. Any drill or chippings must be removed from the inside of the sheet using compressed air. PSP Twinwall fixings should be used to secure the sheets.

TAPING & CAPPING ENDS

The taped caps at the top and bottoms of the sheeted sheets should always be taped with PSP Fix and Dot Tape.

Note: for the standard applications "Sitting half sheet width" at the top of the sheet, then apply using the bead Battener tape at the bottom (lower) outer edge of the sheet. The tape should then be protected by using PSP Fix and Dot Tape. At the top and bottom of the sheets also allow adhesive to drain from the cells, ultimately reducing and eliminating any possibility that may occur.

For simple installations, - Open up and open out the laps of the sheet in the gap where a panel would have been located. This will equalise the glazing bar pressure along with giving the bar a neat finished end. Firmly push the panel in place, ensuring to put the end cap in direction to allow for the correct distance between the extrusions, see Diagram 9.

You also require 2 x F sections to fill the gap where a panel would have been located. This will equalise the glazing bar pressure along with giving the bar a neat finished end. Firmly push the panel in place, ensuring to put the end cap in direction to allow for the correct distance between the extrusions, see Diagram 9.

For general maintenance and cleaning, use a high pressure hose or water blaster at least twice a year. Keep the water blaster up to at least 8bar away from the PSP Twinwall Films and profile. Never wipe panels when dry.

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1. Cut the PSP Twinwall Sheets, F Sections & Glazing Bars to the required length. Make sure you have a tool available to score the twinwall extrusion for bending or scoring the aluminium sections for bending with a pair of nippers.

2. Fix your first aluminium extrusion on the panel end opposite the window or door for structural reasons. Use a 5g x 25mm Self Drilling Screw to secure the extrusion. These screws, and the 3.0mm countersunk pilot, should be countersunk with a 1.5mm drill bit.

3. Use the narrow line extruded into the centre of the Aluminium extrusion as your centre point for the 150mm centre to centre pre-drilling process. Make sure that the purlin fixing holes coincide with these holes.

4. Use the extrusion line as your guide to set out the position of the Twinwall Sheets. Mark out the position of the panels required for drilling into the centre of the Aluminium extrusion top.

5. Start at the top sections of the glazing bars, and create holes at 300mm centres along the entire length of the glazing bar sections. Drilling from the bottom section to avoid damage to the bottom section extrusions. Ensure that the holes are at 300mm centres or you will not be able to drill through to the other side of the joined pairs. Use the 5mm bit one side at a time through to the other side of the joined pairs. Remember that both sections require drilling together as pairs during your set out.

6. Drill your pilot holes into the Aluminium Glazing Panels side by side, securing them with 30mm from the top to the bottom sections of the extrusion. Be sure that these 30mm holes created with the 2mm spacers are at 300mm centres or you will not be able to drill through to the other side of the joined pairs. Use the 3.5mm bit through to the other side of the joined pairs. Use the 3.5mm bit through to the other side of the joined pairs.

7. Fix all of the bottom Glazing bar sections into position allowing 50mm overhang into gutters. Insert the last of the cap screws. Use the 10g x 25mm Stainless Steel Pozi Self Drilling Screws. See Diagram 8. Note: Install one panel at a time leaning slightly off the panel for correct run off of rainwater when the roof pitch is 10° or greater. If a flatter pitch is required, the Twinwall Glazing Panels side by side, starting by placing 2 of the Pan Head Square Drive Self Tappers 8g x 75mm into the Extrusion where the panels intersect by using the Pan Head Square Drive Self Tappers 8g x 75mm Stainless Steel Pozi Screws. See Diagram 7.

8. Peel 50mm of the protective masking back from the long sides of each panel. Be sure that these areas are covered with a neutral cured silicone. If a flatter pitch is required, the Twinwall Glazing Panels side by side, starting by placing 2 of the Pan Head Square Drive Self Tappers 8g x 75mm into the Extrusion where the panels intersect by using the Pan Head Square Drive Self Tappers 8g x 75mm Stainless Steel Pozi Screws. See Diagram 7.

9. Insert the last Glazing bar section, fit the end cap, and fix them with the 10g x 25mm Stainless Steel Pozi Self Drilling Screws. See Diagram 8. Note: Install one panel at a time leaning slightly off the panel for correct run off of rainwater when the roof pitch is 10° or greater. If a flatter pitch is required, the Twinwall Glazing Panels side by side, starting by placing 2 of the Pan Head Square Drive Self Tappers 8g x 75mm into the Extrusion where the panels intersect by using the Pan Head Square Drive Self Tappers 8g x 75mm Stainless Steel Pozi Screws. See Diagram 7.

10. Fit the aluminium extrusion covers over the bottom Glazing Bar sections. See Diagram 5 & 6. Note: Do not clean the panels dry. Use an approved neutral curing siliconised tape as a temporary measure. Disassemble the Glazing Bars into the marked pairs. 6. Disassemble the Glazing Bars into the marked pairs. 6. Disassemble the Glazing Bars into the marked pairs. 6. Disassemble the Glazing Bars into the marked pairs.