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Product Catalogue

Twin-Wall



What is Twin-Wall?

Twin wall sheets, featuring a dual-layer structure, offer a combination of lightweight design and robust insulation properties. Crafted from materials like polycarbonate, these translucent panels find applications in construction and greenhouse roofing, providing durability and effective thermal performance. With easy installation and UV resistance, twin wall sheets present a versatile solution for projects requiring both strength and transparency.

Colour Light and Heat Transmission Data

All colours come with 99.9% UV Resistance.

	Clear	Bronze Tint	Grey Tint	Platinum	Opal
Heat Transmission	73%	62%	42%	18%	9%
Light Transmission	76%	46%	25%	18%	9%
Shading Coefficient	0.88	0.78	0.64	0.42	0.31

Profile Selection

Standard Width	700mm	1050mm	1200mm
Rafter Nominal Spacing	720mm	1070mm	1100mm
Standard Length	3.6m, 6.0m	3.6m, 4.2m, 5.0m, 6.0m, 7.0m, 8.0m	3.6m, 6.0m
Cold Bending Radius	1750mm	1750mm	1750mm

Installation Guide

Step 1,2,3 apply for both One piece and Two piece H-Bar system, however see table below for separate instructions that follow step 3 as the One piece and Two piece system is setup differently.

Step 1: Install sheets with the ribs running vertically in the direction of the fall on the roof with a minimum pitch of 5 degrees.

Step 2: Multiwall sheets can be cut using a sharp knife, hand saw or circular saw with a fine tooth blade suitable for plastics. Sawdust should be cleared from the channels with compressed air (or vacuumed) and edges should be free of notches.

Step 3: Peel some of the masking back from the ends of the sheet and apply breather tape to the top and sealing tape to the bottom ends.

	One piece H-Bar System	Two piece H-Bar System
4.	Place the first measured and cut H-Bar down squarely on the structure (screw side up)	Place the first measured and cut base glazing on the structure.
5.	Secure the H-Bar to thereafter with a screw at no greater than 1200mm apart. Maximum end overhang is 50mm	Fasten the Base Glazing Bars to thereafter with screws at no greater than 500mm apart by Fixing through the center of the base glazing bar and securing it firmly onto the supporting structure. Maximum end overhang is 50mm
6.	Place the next H-bar on the other side and secure to the support structure	Place the sheet between the secured glazing bars. Position the first top glazing bar in line with the base. Secure the two bars using a rubber mallet.