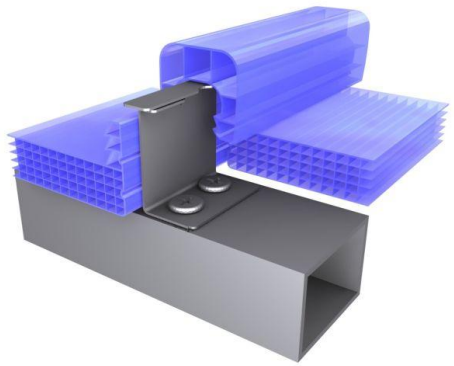
Danpalon Installation

Profile	Min.Curving Radius	Max. Overhang	Max. End Span	Max. Mid Span
Danpalon 4mm Compact	2900mm	50mm	700mm	900mm
Danpalon 8mm Honeycomb	2200mm	50mm	700mm	900mm
Danpalon 10mm Honeycomb	2500mm	50mm	1000mm	1100mm
Danpalon 16mm Multicell	2900mm	50mm	900mm	1300mm

Cutting
Sheets can be cut using a fine tooth handsaw, circular saw with a fine tooth metal blade at low speeds or an abrasive wheel. Cutting produces dust, which should be, removed either by a vacuum cleaner or an air gun.

Fastening
Position Knee Fasteners on the side of the sheet ready to receive the next. Knee fasteners are suitable for fitting to both purlins and rafters. If fitting to metal framework use rivets or 35mm wafer head screws should be used for timber framework.

Roof Fall
A minimum pitch of 5 degrees is recommended (87mm/1000mm).

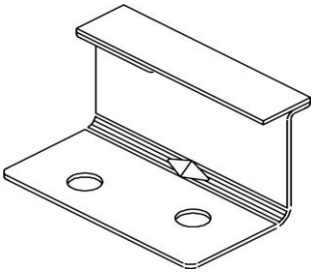


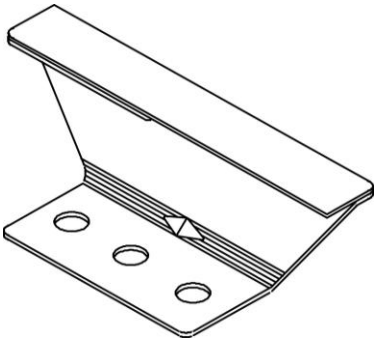
Load / Span Tables

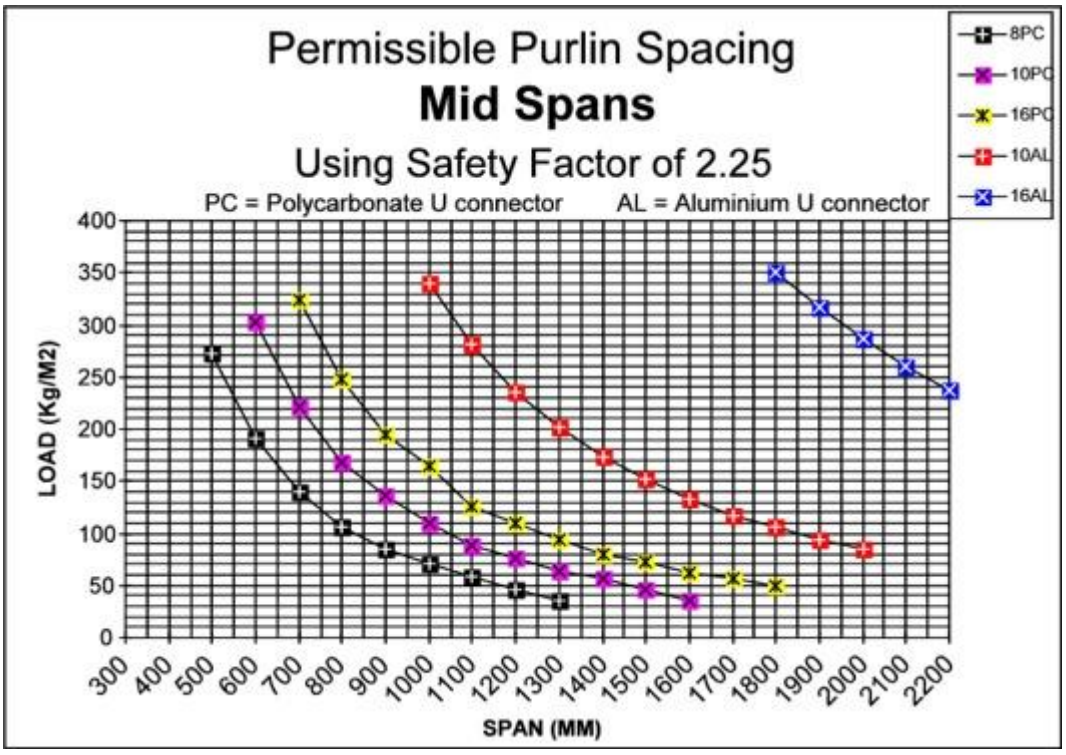
Load Capacity of Danpalon Stainless Steel Fasteners		
Heavy Duty S/S Knee Fastener	DP8	125 Kg / each
Heavy Duty S/S Knee Fastener	DP10	175 Kg / each
Heavy Duty S/S Knee Fastener	DP16	175 Kg / each
Trapezoid HD S/S Knee Fastener	DP10/16	250 Kg / each

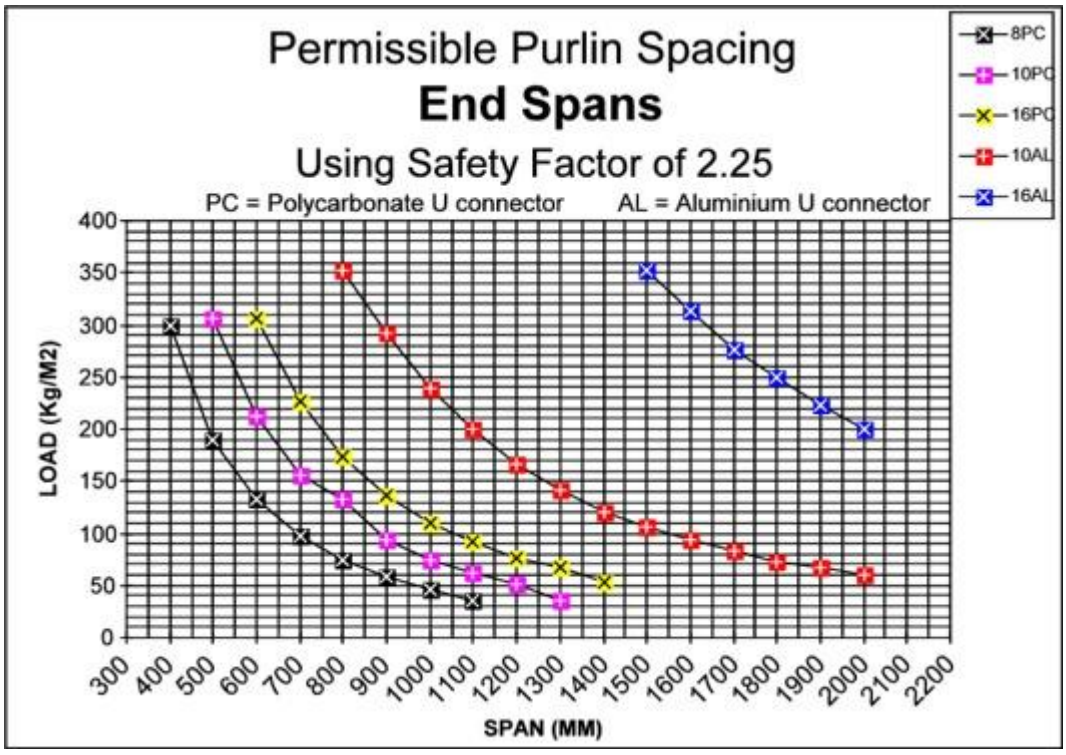
Support Spacing Guide for Danpalon (where there would be virtually no deflection)						
	Polycarbonate Connector		Standard Aluminium Connector		Heavy Duty Aluminium Connector	
Profile	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span
4mm	900	700	1400	1000	N/A	N/A
8mm	900	700	1400	1000	1600	1200
10mm	1100	800	1600	1200	1800	1400
16mm (600 wide)	1300	900	1600	1200	1800	1400
16mm (1040 wide)	1300	900	1600	1200	1800	1400

These spans are based on a design wind speed of 41 m/s which equates to a 1kPa wind load






Permissible Purlin Spacing
Mid Spans
Using Safety Factor of 2.25
PC = Polycarbonate U connector
AL = Aluminium U connector
8PC
10PC
16PC
10AL
16AL
LOAD (Kg/M2)
0
50
100
150
200
250
300
350
400
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
SPAN (MM)


Permissible Purlin Spacing
End Spans
Using Safety Factor of 2.25
PC = Polycarbonate U connector
AL = Aluminium U connector
8PC
10PC
16PC
10AL
16AL
LOAD (Kg/M2)
0
50
100
150
200
250
300
350
400
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
SPAN (MM)