

## THE DANPALON SUPPORT SPACING GUIDE

		COMPACT 4mm	HONEYCOMB 8mm	HONEYCOMB 10mm	MULTICELL 16mm
<b>Connector Polycarbonate Standard</b>	MID SPAN	900	900	1100	1300
	END SPAN	700	700	800	900
<b>Connector Aluminium Standard</b>	MID SPAN	1400	1400	1600	1600
	END SPAN	1000	1000	1200	1200
<b>Connector Aluminium Heavy Duty</b>	MID SPAN	N/A	1600	1800	1800
	END SPAN	N/A	1200	1400	1400

### ROOF FALL

A minimum pitch of 5° is recommended (87mm/1000mm). Having sufficient fall allows natural weather action to assist in keeping the sheets clean.

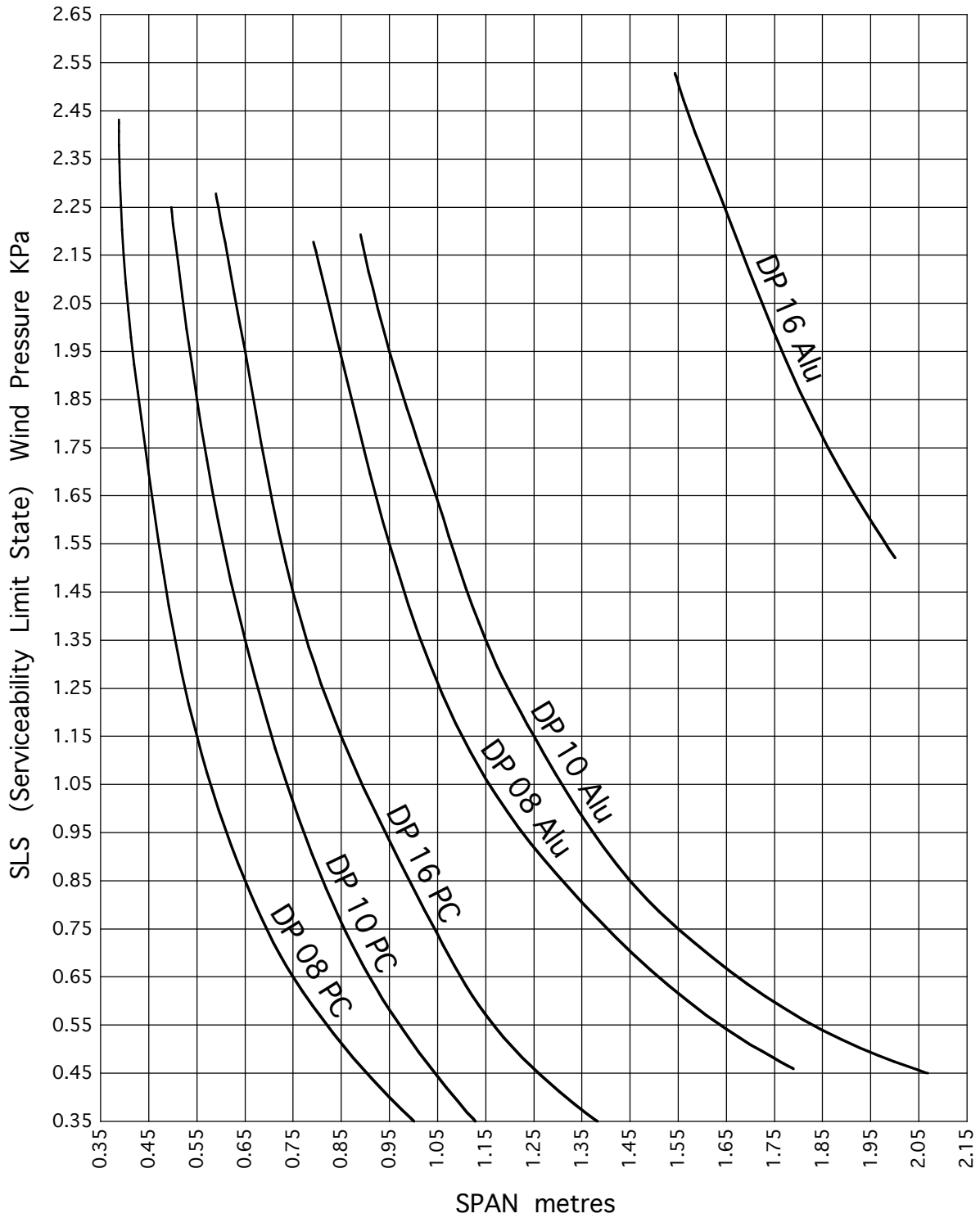
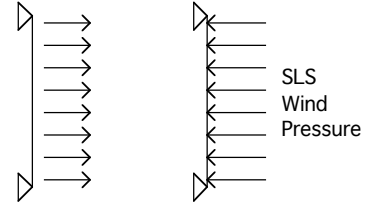
**NOTE:** End spans occur at both the top and bottom of a roof fall. For curved roofs and roofs with a slope greater than 25°, purlin spacings can be increased.

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

# DANPALON CLADDING

## SINGLE SPAN LOAD SPAN CHARTS

### INWARDS LOADS & OUTWARDS LOADS



Notes: ULS (ultimate limit state) wind pressures = 1.53 SLS values  
 Deflection <  $\frac{\text{span}}{50}$

Factor of safety against failure ULS = 2.0 SLS = 3.0

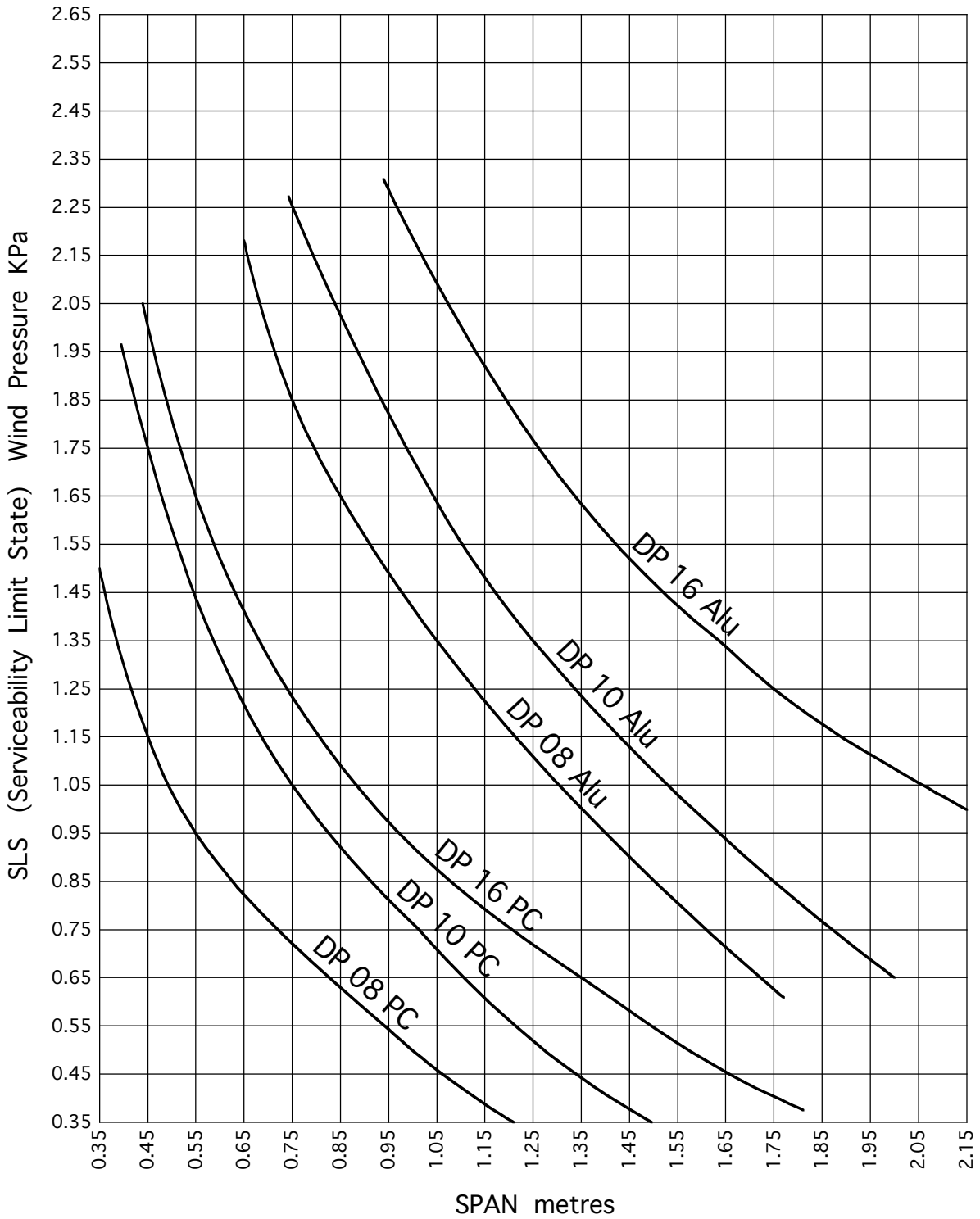
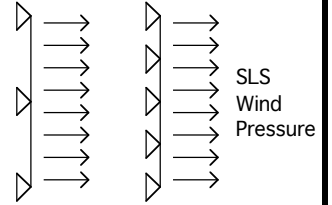
FASTENERS: 1 Single heavy duty fastener for the polycarbonate connectors.  
 1 Trapezoidal fastener for the aluminium connectors.

CHART No.

1

# DANPALON CLADDING

## DOUBLE & CONTINUOUS SPANS LOAD SPAN CHARTS OUTWARDS LOADS



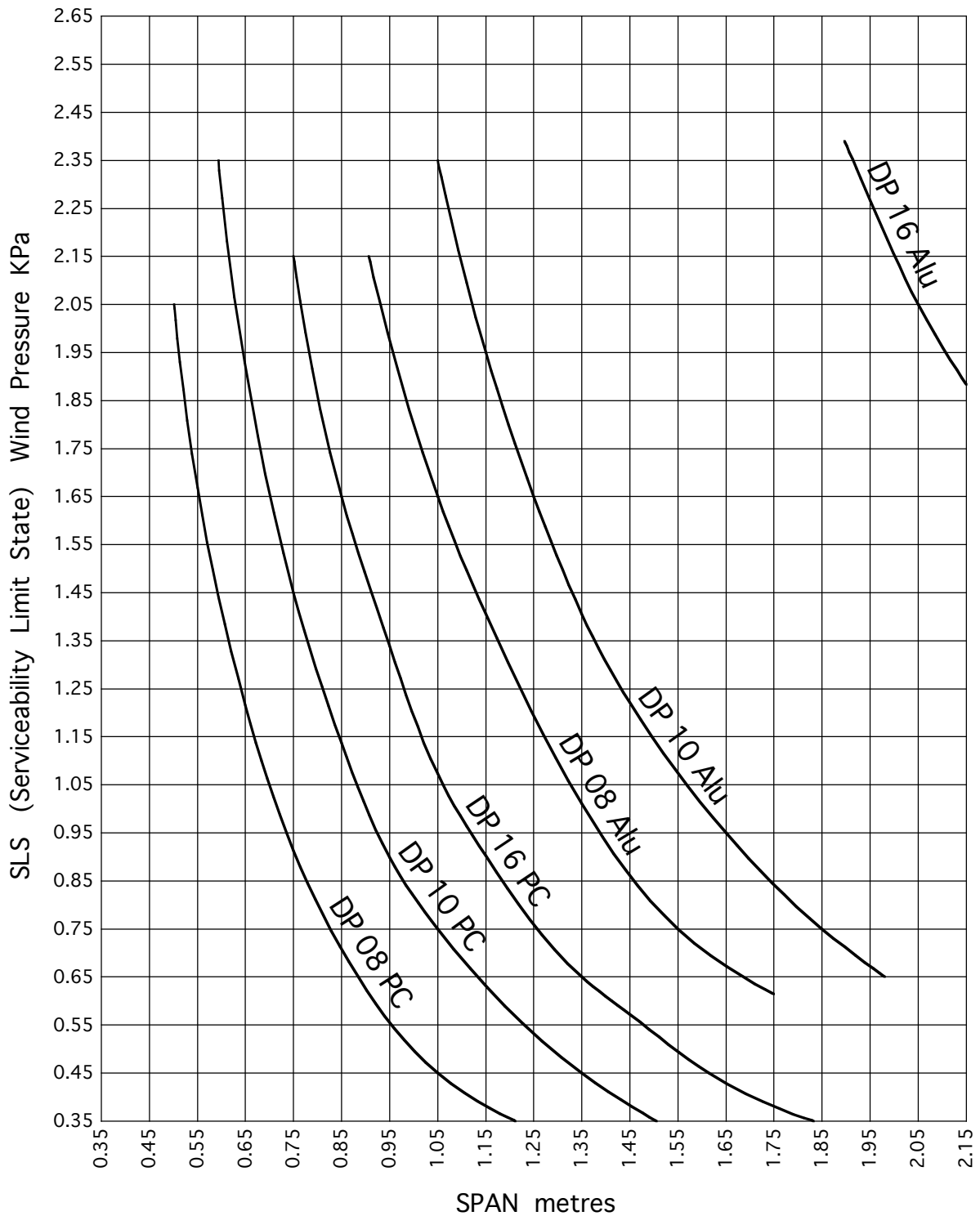
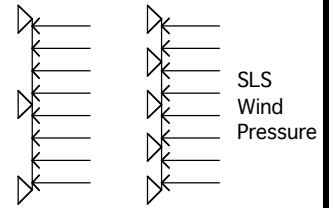
Notes: For Double and continuous spans end spans always < internal adjacent span  
 ULS (ultimate limit state) wind pressure = 1.53 SLS values  
 $\text{Deflection} < \frac{\text{span}}{50}$   
 Factor of safety against failure ULS = 2.0 SLS = 3.0  
 FASTENERS: 1 Single heavy duty fastener for the polycarbonate connectors.  
 1 Trapezoidal fastener for the aluminium connectors.

CHART No.

**2.1**

# DANPALON CLADDING

## DOUBLE & CONTINUOUS SPANS LOAD SPAN CHARTS INWARDS LOADS



Notes: For Double and continuous spans end spans always < internal adjacent span  
 ULS (ultimate limit state) wind pressure = 1.53 SLS values  
 Deflection <  $\frac{\text{span}}{50}$   
 Factor of safety against failure ULS = 2.0 SLS = 3.0  
 FASTENERS: 1 Single heavy duty fastener for the polycarbonate connectors.  
 1 Trapezoidal fastener for the aluminium connectors.

CHART No.

**2.2**