PALRAM AMERICAS

Installation Guidelines
Suntuf / DynaGlas Plus Corrugated Polycarbonate

Distance Between Purlins

Profile	Sheet Thickness		Load			Distance between roof purlins		Distance between wall purlins / girts	
	mm	In.	Kg/m2	Psf	Wind	mm	Ft.	mm	Ft.
Greca	0.8	0.031	90	18.45	82	1200	4.0 ft.	1200	4
Omega	0.8	0.031	120	24.63	96	1050	3.4 ft.		
			150	30.75	106	900	3.0 ft.		

1. The dimensions depicted above do not supersede the requirements of local construction codes. The distances depicted above were calculated based on the structural properties with the following factors being taken into consideration: sheet deflection, potential wind load, potential snow load, hail and application load according to usual construction practice.
2. When designing a new roof, it is strongly recommended that the slope be above 10% (5.7°). (Consult your local Palram Dealer when recovering an existing greenhouse whose slope is shallower than its value).
3. The recommended maximum panel length is 21 feet. The recommended maximum distance between the edge and the first purlin is 3 feet. Or the value dictated by the design engineer.

Panel Lapping

Width Overlap (Sheet edge): Overlap 5-7 inches with a minimum distance of 2-3 inches of each sheets edge from the centerline of supporting purlins (line of screws).

Length Overlap: (sheet length): Overlap one corrugation.

Roof Edge: Sheets at the roof's edge should extend beyond over the edge support by not more than four inches.

Arching Radius

When covering curved structures, it is possible to set sheets on an arched framework so they will arch within the range of elasticity of the sheets without inducing stress. The minimum radius of the arch is 10 feet for Omega and 20 feet for Greca panels.