

WIND LOAD TABLE & FASTENERS

The table below recommends class and fixing frequency for Alsynite Glass Reinforced Polyester sheeting to accommodate a nominated internal purlin spacing at a wind load of up to 1 Kpa. For wind loads in excess of 1 Kpa refer to the Alsynite Technical Department for sheet weight recommendations.

POPULAR PROFILES	2400 g/m ²	3050 g/m ²	3660 g/m ²	4270 g/m ²	4880 g/m ²	RECOMMENDED NUMBER OF MAIN FASTENERS			
						Roof		Wall	
						Mid Spans	End Spans	Mid Spans	End Spans
	MAXIMUM ALLOWABLE SPAN mm								
BR5	1500	1700	1900	2000	2100	4	4	4	4
Comalco V-Rib	2200	2500	2700	2900	3100	5	5	5	5
Corrugated 760	1200	1500	1600	1650	1700	4	6	6	6
Klip-lok 406	1400	1700	2000	2300	2700	3	3	3	3
Klip-lok 700	1400	1700	2000	2300	2700	4	4	4	4
LT6	1700	2100	2400	2600	2800	4	4	4	4
Monoclad	1500	1700	1900	2000	2100	5	5	5	5
Multiclad	1700	2100	2400	2600	2800	5	5	5	5
Paneldek	1400	1700	2000	2300	2700	3	3	3	3
Quickrib 900	1500	1700	1900	2000	2100	4	4	4	4
Spandek	1700	2100	2400	2600	2800	5	5	5	5
Spanform 800	2000	2400	2800	3000	3200	6	6	6	6
Spanrib 800	1700	2100	2400	2600	2800	4	4	4	4
Speedek 500	1400	1700	2000	2300	2700	3	3	3	3
Trimdek (eg Deka)	1500	1700	1900	2000	2100	5	5	5	5

- Fixing Specifications should be in accordance with AS/NZS 1562.3:1996 Plastics Building Sheets - General Installation Requirements and Design of Roofing System.
- The sheet weights recommended are designed to withstand the effects of column expansion caused by thermal movement of the entire roof structure and to provide a sheet of the weight and strength necessary to complement the metal roofing specified and the supporting structure.
- The drilling of oversize fastener holes is required to allow for thermal movement.
- For sheets up to 10m - drill clearance hole of 10mm dia.
- For sheets above 10m - drill clearance hole of 15mm dia.
- For roof installations, fasteners must be fixed to the ribs. For wall installation, rib fixing is recommended, however valley fixing can be used in low wind load areas.

Note: Single sheet lengths above 16m are not recommended.