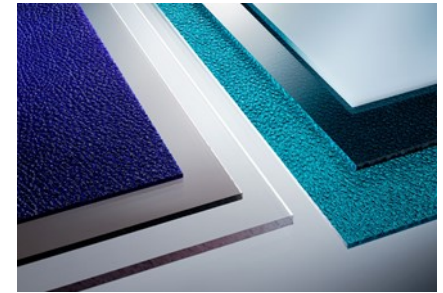


marlon^{fs}

Sheet Thickness Selector



Load		0.6 kN/m ²							0.75 kN/m ²							0.9 kN/m ²							1.05 kN/m ²							1.2 kN/m ²						
Sheet Width (mm)		500	750	1000	1250	1500	1750	2000	500	750	1000	1250	1500	1750	2000	500	750	1000	1250	1500	1750	2000	500	750	1000	1250	1500	1750	2000	500	750	1000	1250	1500	1750	2000
Support Centres (mm)	500	3	3	3	3	4	5	5	3	3	3	3	5	5	5	3	3	4	4	5	5	5	3	3	4	4	5	6	6	3	3	5	5	6	6	6
	750	3	3	3	3	5	5	6	3	3	3	3	5	6	6	3	3	4	4	6	6	8	3	3	4	4	6	8	8	3	5	5	6	8	8	8
	1000	3	3	3	4	5	5	6	3	3	3	3	5	6	8	4	4	4	5	6	8	8	4	4	4	4	6	8	8	5	5	5	6	8	8	10
	1250	3	3	4	4	5	5	6	3	3	3	4	5	6	8	4	4	5	5	6	8	8	4	4	4	5	6	8	8	5	6	6	6	8	8	10
	1500	4	5	5	5	5	6	8	5	5	5	5	6	8	10	5	6	6	6	8	8	10	5	6	6	6	8	10	10	6	8	8	8	8	10	12
	1750	5	5	5	5	6	8	10	5	6	6	6	8	8	10	5	6	8	8	8	10	12	6	8	8	8	10	12	15	6	8	8	8	10	12	15
	2000	5	6	6	6	8	10	12	5	6	8	8	10	10	12	5	8	8	8	10	12	15	6	8	8	8	10	15	15	6	8	10	10	12	15	15
	2250	5	6	8	8	8	10	12	5	8	8	8	10	12	15	6	8	8	10	12	15	15	8	8	10	10	12	15	15	10	10	10	10	12	15	15
	2500	5	6	8	8	10	12	15	5	10	10	10	12	15	15	6	8	10	10	12	15	15	8	8	10	10	15	15	15	10	10	10	12	15	15	15
	2750	5	8	8	8	10	15	15	5	10	10	10	12	15	15	6	10	10	10	15	15	15	8	8	10	12	15	15	15	10	10	10	12	15	15	-
	3000	5	8	8	10	12	15	15	5	10	10	10	12	15	15	6	10	10	12	15	15	15	8	8	10	12	15	15	-	10	10	12	12	15	15	-
	3250	5	8	8	10	12	15	15	5	10	10	10	15	15	15	6	10	10	12	15	15	15	8	8	12	12	15	15	-	10	10	12	15	15	-	-
	3500	5	8	10	10	12	15	15	5	10	10	12	15	15	15	6	10	10	12	15	15	15	8	10	12	12	15	15	-	10	10	12	15	15	-	-
	3750	5	8	10	10	15	15	15	5	10	10	12	15	15	15	6	10	10	12	15	15	15	8	10	12	15	15	15	-	10	10	12	15	-	-	-
	4000	5	8	10	10	15	15	15	5	10	10	12	15	15	15	6	10	10	12	15	15	-	8	10	12	15	15	15	-	10	10	12	15	-	-	-
	Continuous	5	8	10	12	15	15	15	6	8	12	15	15	15	15	6	10	12	15	15	15	-	8	10	12	15	15	15	-	8	10	12	15	-	-	-

Procedure:

- Select load
- Select sheet width
- Select support centre distance
- Intersect of sheet width column and support centre row for the applicable load give the recommended thickness

Example:

For an expected maximum wind/snow load of 0.9kN.m² acting on a 1000mm wide panel that is 2000mm long the recommended thickness would be 8mm

Calculations based on:

- A safety factor of 1.5 against buckling or pop-out
- 4% span deflection limit up to a maximum of 50 mm
- 15 mm effective edge engagement



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