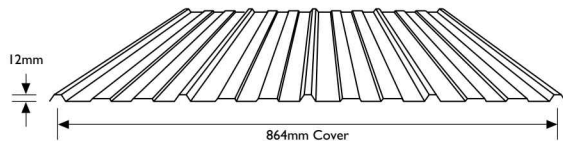


STRAMIT K-PANEL® WALL SHEETING



Applications

Stramit K-Panel® wall sheeting is an economical and neat profile used widely in small sheds and light industrial buildings as well as soffits and fascias.

Features

- 864mm – to maximise efficiency and reduce costs.
- Easy Fixing – conventional through fixed screws maximise performance and installation.
- Low Rib Height – for smart neat appearance used effectively in minimal dust zones.
- Fast Erection – a quick covering profile with simple fastening.

Materials

Stramit K-Panel® wall sheeting is a cold roll formed steel product in G550 base material with a ZINCALUME® (AZ150) coating in accordance with ASI397, and COLORBOND® steel available in a range of colours.

STRAMIT K-PANEL® WALL SHEETING – SHEETING MASS (kg/m² of roof area)

thickness BMT	ZINCALUME®	COLORBOND®
0.35mm	3.11	3.17
0.42mm	3.77	3.84

Pressures

STRAMIT K-PANEL® WALL SHEETING – SERVICEABILITY LIMIT STATE CAPACITY

thickness BMT	fasteners /sheet	span type	pressure (kPa) at the spans (mm) shown				
			600	900	1200	1500	1800
0.35	4	internal	4.23	1.87	1.03	0.64	0.42
		equal	2.94	1.29	0.70	0.42	0.26
		double	2.55	1.12	0.61	0.36	0.23
0.42	4	internal	5.60	2.48	1.37	0.84	0.55
		equal	3.89	1.70	0.92	0.55	0.35
		double	3.38	1.48	0.80	0.48	0.30

STRAMIT K-PANEL® WALL SHEETING – STRENGTH LIMIT STATE CAPACITY (Non-cyclonic)

thickness BMT	fasteners /sheet	span type	pressure (kPa) at the spans (mm) shown				
			600	900	1200	1500	1800
0.35	4	internal	12.5	7.75	5.28	3.77	2.75
		equal	10.1	6.11	4.02	2.75	1.89
		double	9.87	5.93	3.90	2.67	1.84
0.42	4	internal	15.3	9.48	6.45	4.61	3.36
		equal	12.4	7.47	4.91	3.36	2.32
		double	12.1	7.24	4.77	3.26	2.25

Tables are based on testing to ASI562 and AS4040 parts 0, 2 and 3. Internal spans must have both end spans 20% shorter. Values only valid for use with steel support members of 0.75mm or thicker.

Impact

For wall areas likely to be subject to human impact, sheeting spans should be reduced. Impact loads will vary considerably and these are not prescribed in Australian Standards. A span of 1000mm is suggested for such areas, but this should be adjusted dependent upon the exposure and importance of the application.

Stramit K-Panel® Fasteners

All fasteners should conform with AS3566 – Class 3 and be compatible with the cladding material used.

For steel

- No. 10 x 16mm hex head self-drilling, self-tapping screws.

For timber

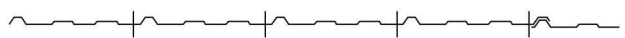
- No. 12 x 25mm hex head self-drilling type 17 screws. Add 10mm to screw length for softwood applications.

Side laps

- No. 8 x 12mm 'S' point screws or
- 3.2mm diameter sealed aluminium pop rivets.

Stramit K-Panel® Fastener Position

Fix adjacent to the overlap and each subsequent rib (4 fasteners per sheet) at every support. Spans over 900mm require the sidelaps to be stitched at mid-span.



For further installation information see the section later in this manual.