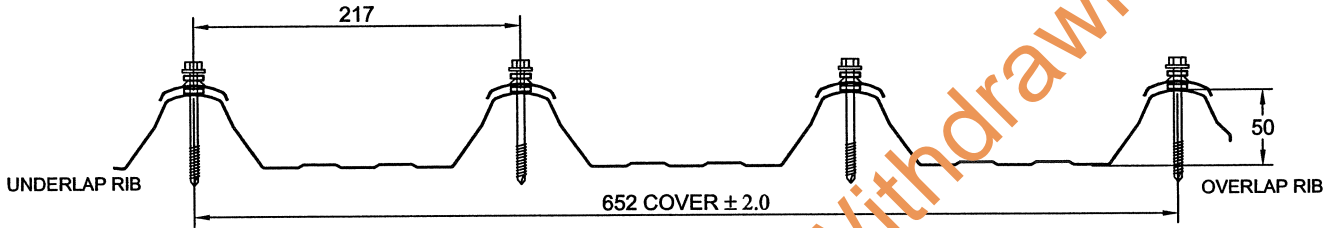


PRODEK CLADDING WITH CYCLONIC WASHERS FOR WALLING.



MATERIAL SPECIFICATIONS: 0.42mm or 0.48mm BMT AS1397/G550 AZ150

Cyclonic testing was carried out in accordance with AS4040.3 using the BCA 2004 Volume 1, NT B1.2 (c) (ii), *Design of Buildings in Cyclonic Areas*.

Testing Authority: Engtest Civil and Environmental, The School of Civil and Environmental Engineering, Adelaide University.
Test Report: C040302 - 31/03/04.

Tables are determined in accordance with AS 1170.2 2002, *Wind Actions*, using polynomial interpolation of test results, subject to maximum recommended spans.

The maximum allowable overhang is 300mm for walls.

When fixing over insulation, span length should be increased to ensure sufficient penetration of the fastener.

Side lap fixing is recommended at midspan to maintain a weather proof seal and secure the overlap. Use either 8 x 12mm self drilling stitching screws or 3mm sealed blind rivets.

FASTENER DETAILS

Steel	1.2mm to 3mm	14-10 x 75mm Hex Head Screw with cyclonic washer assembly.
	3mm to 5mm	14-20 x 75mm Hex Head Screw with cyclonic washer assembly.
Timber	Hardwood	14-10 x 90mm Type 17 Hex Head Screw with cyclonic washer assembly.
	Softwood	14-10 x 90mm Type 17 Hex Head Screw with cyclonic washer assembly.

The following criteria was used in the development of the tables;

Region C with a design return period of 500 years.

$V_R = F_c 66$ m/s (limit state), with $F_c = 1.05$.

Limit State wind speeds have been reduced by the square root of 1.5 to obtain permissible stress gust wind speeds.

$M_s, M_t, M_d = 1.00$

DESIGN PRESSURES, P_z (kPa):

Span (mm)	0.42mm BMT			0.48mm BMT		
	Single	End	Internal	Single	End	Internal
900	4.14	4.14	4.84	5.40	5.40	6.31
1200	3.29	3.29	3.84	4.59	4.59	5.36
1500	2.57	2.57	3.00	3.87	3.87	4.52
1800	1.98	1.98	2.31	3.24	3.24	3.79
2100	1.52	1.52	1.78	2.70	2.70	3.15
2400	1.19	1.19	1.39	2.25	2.25	2.63

Height (m)	Terrain / height Multiplier ($M_{z,cat}$)		
	1 & 2	2.5	3 & 4
≤5	0.95	0.88	0.80
≤10	1.00	0.95	0.89

Pressure Coefficients:

Internal, $C_{pi} = +0.7$.

External, $C_{pe} = -0.65$.

MAXIMUM ALLOWABLE SPANS (mm):

Terrain Category	KI	5m Maximum Height						10m Maximum Height							
		P_z (kPa)	0.42mm BMT			0.48mm BMT			P_z (kPa)	0.42mm BMT			0.48mm BMT		
			Single	End	Internal	Single	End	Internal		Single	End	Internal	Single	End	Internal
1	1	2.34	1600	1600	1780	2330	2330	2590	2.59	1480	1480	1660	2160	2160	2420
1 & 2	1.5	2.90	1350	1350	1530	1980	1980	2230	3.22	1220	1220	1410	1810	1810	2060
	2	3.47	1130	1130	1320	1680	1680	1940	3.84	1000	1000	1200	1510	1510	1770
2.5	1	1.99	1790	1790	1970	2610	2610	2700	2.32	1620	1620	1790	2350	2350	2610
	1.5	2.46	1540	1540	1720	2250	2250	2500	2.87	1360	1360	1550	1990	1990	2250
3 & 4	2	2.94	1330	1330	1520	1950	1950	2210	3.43	1140	1140	1340	1700	1700	1960
	1	1.66	1990	1990	2170	2700	2700	2700	2.05	1750	1750	1930	2550	2550	2700
3 & 4	1.5	2.06	1750	1750	1930	2540	2540	2700	2.55	1500	1500	1680	2190	2190	2450
	2	2.46	1550	1550	1730	2250	2250	2510	3.04	1290	1290	1480	1900	1900	2150

LIMITATIONS OF USE:

- Not to be used with 0.75mm metal battens.

KBR
Kellogg Brown & Root Pty Ltd
ABN 91 007 660 317
Reg. No. - KEES8332

PRODEK STEEL CLADDING

STRATCO (N.T.) PTY. LTD.
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DESIGN DATA SHEET

APPROVED: [Signature] 18.6.04 DATE: M/21/10 Amdt. DRAWING NUMBER.

Certified:

[Signature]

Date:

10/6/04