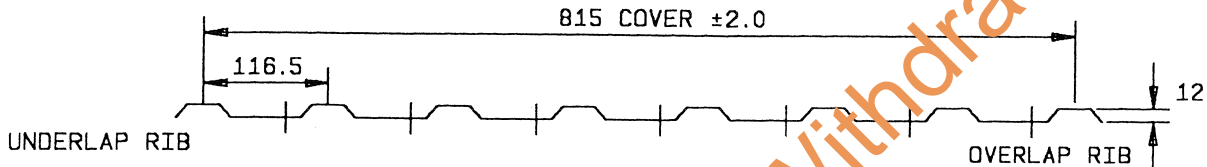




MAXICLAD (CYCLONIC AREAS)

MAXICLAD PAN-FIXED WALLING



PRODUCT SPECIFICATION:

0.42 BMT Z/A Steel to AS1397 G550 AZ150.

DESIGN DATA:

The design wind pressures in Table 1 are derived from test results obtained from extensive testing at the University of Adelaide CivilTest Laboratories. The tests were carried out in accordance with the requirements of AS4040.3 1992 Resistance to Wind Pressure for Cyclone Regions.

Table 2 gives allowable spans based on linear interpolations of pressures in Table 1. For each terrain category the allowable end spans and internal spans have been calculated taking into account the local pressure factor K1 from Cl.3.4.3 of AS1170.2-1989. The maximum allowable overhang for the cladding is 200mm.

Design wind loads are determined in accordance with AS1170.2-1989 'Wind Loads' for a basic wind speed of 57m/sec with $M_s=M_t=M_i=1.0$ and assuming an internal pressure coefficient of 0.0 (internal lining present) or +0.8 (no internal lining present), and an external pressure coefficient of -0.65. The tables below do not account for racking strength of the wall sheeting.

FIXING RECOMMENDATIONS:

- Into Hardwood: Type 17 No.10x25 screw with neoprene washer
- Into Softwood: Type 17 No.10x30 screw with neoprene washer
- Into Steel:(up to 2.5mm) No.10-16x16 self drilling screw with neoprene washer
- (up to 5.0mm) No.10-16x16 self drilling screw with neoprene washer

Note: Increase screw lengths for fixing over insulation material.

TABLE 2:

WALL SHEETING MAX. ALLOWABLE SPANS							
TERRAIN CATEGORY	K1	Pz kPa Cpi=+0.8	END SPAN mm	INT. SPAN mm	Pz kPa Cpi=0.0	END SPAN mm	INT. SPAN mm
CAT 3	1.0	1.98	1090	1200*	0.89	1200*	1200*
	1.5	2.42	940	1150	1.33	1200*	1200*
	2.0	2.86	870	1070	1.77	1170	1200*
CAT 2.5	1.0	2.32	970	1200*	1.04	1200*	1200*
	1.5	2.84	940	1150	1.56	1200*	1200*
	2.0	3.36	820	1020	2.08	1050	1200*
CAT 2	1.0	2.66	890	1110	1.19	1200*	1200*
	1.5	3.26	840	1080	1.79	1160	1200*
	2.0	3.85	770	960	2.38	950	1180

TABLE 1:

DESIGN WIND PRESSURE, Pz, kPa		
SPAN mm	END SPAN	INT. SPAN
720	4.36	5.76
900	2.49	4.30
1200	1.70	2.34

* Maximum recommended span is 1200mm

STRATCO (N.T.) PTY LTD
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STRATCO 0.42mm BMT G550 MAXICLAD FOR
DOMESTIC HOUSING UP TO 7m HIGH
WITH STEEL OR TIMBER SUPPORTS

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DESIGN DATA SHEET

DARWIN, CYCLONE AREA		DRG No.
APPD	DATE	M/217/3
<i>[Signature]</i>	20-9-95	

CERTIFIED *[Signature]* DATE 15-9-95