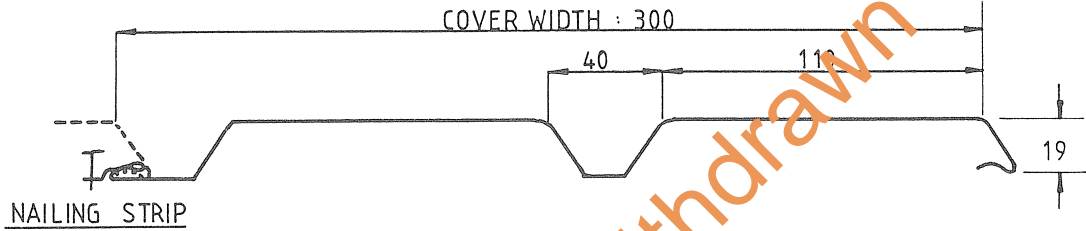


EASYCLAD HI-TEN (2P300) FOR WALLS



MATERIAL SPECIFICATION: 0.53 mm TCT ZINCALUME STEEL TO AS 1397 - G550 - AZ150

TABLE 1 IS BASED ON CYCLIC TEST CRITERIA AS SPECIFIED IN N.B.T.C. TR 440. THE ALLOWABLE SPANS GIVEN IN TABLES 2 AND 3 HAVE BEEN OBTAINED BY LINEAR INTERPOLATION OF P_z IN TABLE 1. OVERHANGS TO BE 300 mm MAXIMUM.

WIND LOADS ARE DETERMINED IN ACCORDANCE WITH AS 1170 PART 2 1983 "WIND FORCES LOADING CODE" FOR A REGIONAL BASIC WIND VELOCITY 55 M/S, CYCLONIC AREA MULTIPLIER OF 1.15 AND ASSUMING AN INTERNAL PRESSURE COEFFICIENT OF + 0.8 AND EXTERNAL PRESSURE COEFFICIENT OF - 0.6. FOR TABLES 2 & 3 THE THREE SPANS FOR EACH TERRAIN CATEGORY ALLOW FOR LOCAL PRESSURE FACTOR K1 AS PER PARAGRAPH B1.5 OF AS 1170 PART 2 1983. RACKING STRENGTH PROVIDED BY THE CLADDING HAS NOT BEEN TESTED AND SHOULD NOT BE ALLOWED FOR IN THE DESIGN OF THE STRUCTURE.

RECOMMENDED FASTENERS

Timber Supports	Self-drilling wood screw	Nail**
Strength Group *		
Hardwood J1 - J3	Type 17 Wafer Hd.No.10-12x25 (Lysaght No.TWS 1025)	3.75x40mm
Softwood J4	Type 17 Wafer Hd.No.10-12x25 (Lysaght No.TWS 1025)	3.75x60mm

Steel Supports	Self-drilling & tapping screw
Steel Thickness	
Up to 2.0 mm.	No.10-16x16 Wafer Hd. (Lysaght No. SWS 1016C)
2.0 to 3.0 mm.	No.10-24x16 Wafer Hd. (Lysaght No. SWS 1016)

When fixing over insulation blankets, increase screw length to maintain fastener penetration in support.

TABLE 1: DESIGN WIND PRESSURE, P_z , kPa

SPAN mm	0.53 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
600	2.0	1.4	1.7
900	0.9	0.9	1.1
1200	0.5	0.8	1.0
1500	-	-	0.8
1800	-	-	0.5

TABLE 2: WALL SHEETING MAXIMUM ALLOWABLE SPANS, HEIGHT UP TO 6 m

TERRAIN CAT.	LOCAL MULTI-PLIER	PRESS. K1	P_z kPa	0.53 mm		
				SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	4.37	500	-	-	
	1.03	1.5	4.33	450	-	
	2.0	5.09	400	-	-	
CAT 2	1.0	2.97	540	-	-	
	.94	1.5	3.61	490	-	
	2.0	4.24	450	-	-	
CAT 2.5	1.0	2.15	590	-	-	
	.80	1.5	2.61	560	-	
	2.0	3.07	530	-	-	
CAT 3	1.0	1.46	740	580	720	
	.65	1.5	1.78	660	510	
	2.0	2.09	590	440	540	

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS, HEIGHT UP TO 10 m

TERRAIN CAT.	LOCAL MULTI-PLIER	PRESS. K1	P_z kPa	0.53 mm		
				SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.99	470	-	-	
	1.09	1.5	4.85	420	-	
	2.0	5.70	360	-	-	
CAT 2	1.0	3.36	510	-	-	
	1.00	1.5	4.08	460	-	
	2.0	4.80	420	-	-	
CAT 2.5	1.0	2.43	570	-	-	
	.85	1.5	2.95	540	-	
	2.0	3.47	500	-	-	
CAT 3	1.0	1.65	690	540	620	
	.70	1.5	2.00	600	460	
	2.0	2.35	570	380	480	

* For strength groups refer AS 1720 - 1975

** Annual or helical grooved type ONLY
Head dia. - 9mm min.

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 If it is intended to use uncoated, galvanised, prime coated, or Colorbond building products within 1 kilometre of salt marine locations, or in severe industrial environments, please contact your nearest Lysaght Building Industries Sales Office for free specialised advice.
 Performance
 Company products will perform as specified if fixed in accordance with the recommendations contained in this drawing.

SCALE	N.T.S.
DATE	22-2-88
DRAWN	T.G.
AUTH	

Engineering and Development
 Lysaght Building Industries
 A DIVISION OF JOHN LYSAGHT (AUSTRALIA) LIMITED (INCORPORATED IN NSW)
 CYCLONIC FIXING DATA
 EASYCLAD HI-TEN (2P300) 0.53mm TCT
 UP TO 6 m & 10 m

Manufacturers Name: LYSAGHT BUILDING INDUSTRIES		FIXING OF 0.53 mm EASYCLAD - 2P300 ON WALLS IN THE DARWIN AREA BUILDING HEIGHT UP TO 6 m & 10 m	
Address: Cnr. Coonawarra and Bombing Roads, Winnellie. N.T. Phone: (089) 84 3311		DESIGN DATA SHEET	
CERTIFIED: <i>R. M. J.</i> M.I.E. Aust	NORTHERN TERRITORY CYCLONIC AREAS	DRAWING NO.	
DATE: 19/2/88	APPROVED: <i>John Lysaght</i> M.I.E. Aust	M/215/32	
LBI DRAWING NO: 78412	DATE: 20/4/88		

78412
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WP NO: EC2P53

REFERENCES

REVISIONS