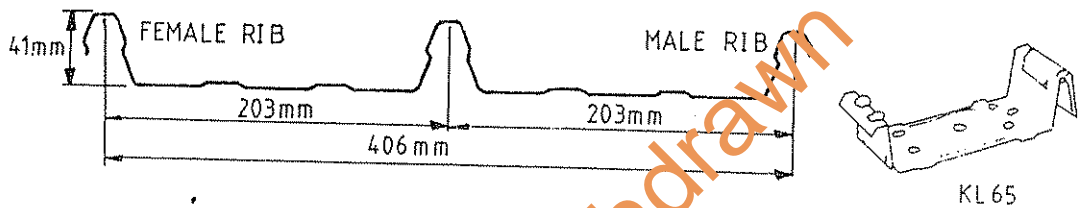


KLIP-LOK HI-TEN FOR WALLING



MATERIAL SPECIFICATION: 0.47 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, SUBJECT TO MAXIMUM SPAN LIMITATION GOVERNED BY CONCENTRATED LOAD CRITERIA. OVERHANGS TO BE 200 mm MAXIMUM FOR ROOFS AND 300 mm MAXIMUM FOR WALLS.

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 + 0.2 AND EXTERNAL PRESSURE COEFFICIENT OF - 0.9 (FOR ROOFS), OR - 0.6 (FOR WALLS). FOR TABLES 2 & 3 THE THREE SPANS FOR EACH TERRAIN CATEGORY ALLOW FOR LOCAL PRESSURE FACTOR K_1 AS PER PARAGRAPH 81.5 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	Annular/Helical Grooved Nail
Hardwood J1 - J3	Type 17 Wafer Hd. No. 10-12x25 (Lysaght No. TWS 1025)	3.75 x 40 mm Galvanized
Softwood J4	Type 17 Wafer Hd. No. 10-12x25 (Lysaght No. TWS 1025)	3.75 x 60 mm Galvanized

Steel Supports	Self-drilling tapping screw
Up to 2.5 mm	No. 10-16x16 Wafer Hd. (Lysaght No. SWS 1016C)
2.5 - 5.0 mm	No. 10-24x16 Wafer Hd. (Lysaght No. SWS 1016)

NOTE: TWO FASTENERS REQUIRED PER CLIP

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

TABLE 1: DESIGN WIND PRESSURE, P_z , kPa

SPAN mm	0.47 m		
	SINGLE SPAN	END SPAN	INT. SPAN
600	11.0	4.4	5.5
900	7.2	2.9	3.7
1200	4.1	2.2	2.8
1500	2.6	1.4	1.9
1800	1.8	1.2	1.5
2100	1.1	1.0	1.3
2400	-	-	1.0
2700	-	-	-
3000	-	-	-

TABLE 2: ROOF SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTIPLIER	LOCAL PRESS. P_z kPa	0.47 mm	
		END SPAN mm	INT. SPAN mm
CAT 1	1.0	4.33	610
	1.03	5.48	520
	2.0	6.62	450
CAT 2	1.0	3.61	760
	.94	4.56	590
	2.0	5.51	520
CAT 2.5	1.0	2.61	1020
	.80	3.30	820
	2.0	3.99	680
CAT 3	1.0	1.78	1200
	.66	2.25	1180
	2.0	2.72	970

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTIPLIER	P_z kPa	0.47 mm		
		SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	3.57	1300	760	940
	1.03	4.33	1170	610
	5.09	1100	550	660
CAT 2	2.97	1420	880	1140
	.94	3.61	1300	760
	4.24	1180	630	810
CAT 2.5	2.15	1670	1220	1410
	.80	2.61	1490	1020
	3.07	1400	860	1110
CAT 3	1.46	1940	1470	1850
	.66	1.78	1810	1350
	2.09	1690	1240	1430

* For strength groups refer AS 1720 - 1975

Manufacturers Name: LYSAGHT BUILDING INDUSTRIES		FIXING OF 0.47 mm KLIP-LOK HI-TEN USING KL65 FIXING CLIPS IN THE DARWIN AREA BUILDING HEIGHT UP TO 6 m	
Address: Cnr. Coonawarra and Bombing Roads, Winnellie. N.T. Phone: (089) 84 3311		DESIGN DATA SHEET	
CERTIFIED: <i>[Signature]</i> M.I.E. Aust	NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>[Signature]</i> M.I.E. Aust	DRAWING NO. M/215/25	
DATE: 19/2/88	DATE: 20/4/88		
LYSAGHT DRAWING NO: 78403			

SCALE N.T.S.

DATE 22-2-88

DRAWN T.G.

AUTH

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Lysaght Building Industries
A Division of John Lysaght (Australia) Limited (INCORPORATED IN NSW)



CYCLONIC FIXING DATA
KLIPLOK HI-TEN 0.47 mm(T) FIXED WITH KL 65 CLIPS UP TO 6 m

78403

WP NO: KL4706

REFERENCES

REVISIONS

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