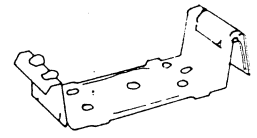
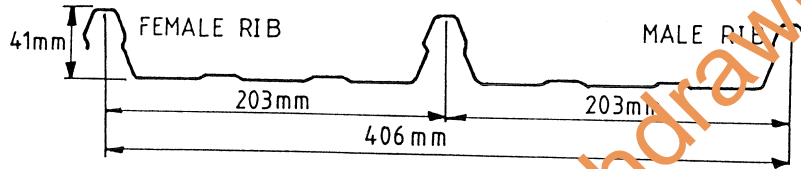


KLIP-LOK HI-TEN FOR ROOFING & WALLING



KL 65

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 0.8 AND EXTERNAL PRESSURE COEFFICIENT OF - 0.9 (FOR ROOFS), OR - 0.6 (FOR WALLS). FOR TABLES 2 AND 3 THE THREE SPANS FOR EACH TERRAIN CATEGORY ALLOW FOR LOCAL PRESSURE FACTOR K1 AS PER PARAGRAPH 6.1.5 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

Strength Group *	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

Steel Thickness	Self-drilling & tapping screw
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)

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 mm		
	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.	LOCAL PRESS. FACTOR K1	P_z kPa	0.47 mm	
			END SPAN mm	INT. SPAN mm
CAT 1	1.0	4.85	570	710
	1.09	1.5	6.13	480
	2.0	7.41	390	490
CAT 2	1.0	4.08	660	830
	1.00	1.5	5.16	550
	2.0	6.24	470	560
CAT 2.5	1.0	2.95	890	1150
	.85	1.5	3.73	730
	2.0	4.51	590	760
CAT 3	1.0	2.00	1200	1300
	.70	1.5	2.53	1060
	2.0	3.06	870	1110

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT.	P_z kPa	0.47 mm		
		SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	3.99	1220	680	850
	1.09	4.85	1120	570
	5.70	1040	510	590
CAT 2	3.36	1340	800	1010
	1.00	4.08	1200	660
	4.80	1130	570	710
CAT 2.5	2.43	1560	1100	1320
	.85	2.95	1430	890
	3.47	1320	780	970
CAT 3	1.65	1860	1400	1690
	.70	2.00	1720	1270
	2.35	1590	1130	1350

* 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 10 m	
Address: Cnr. Coonawarra and Bombing Roads, Winnellie. N.T. Phone: (089) 84 3311		DESIGN DATA SHEET	
CERTIFIED: <i>R. M. ...</i> M.I.E. Aust	NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>Infadun MIE Aust</i>	DRAWING NO. M/101/20	
DATE: 19/2/88	DATE: 20/4/88		
LYSAGHT DRAWING NO: 78404			

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 Performance
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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
KLIPLOK HI-TEN (0.47 mm TCT) FIXED WITH KL 65 CLIPS UP TO 10 m

78404
LYSAGHT BUILDING INDUSTRIES

REFERENCES
WP NO: KL4710

REVISIONS