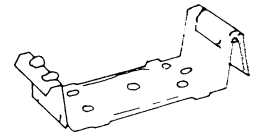
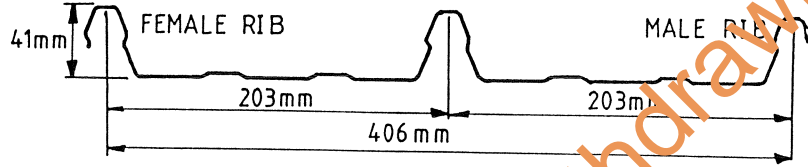


# KLIP-LOK HI-TEN FOR ROOFING & WALLING



KL65

**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, 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 & 3 THE THREE SPANS FOR EACH TERRAIN CATEGORY ALLOW FOR LOCAL PRESSURE FACTOR K1 AS PER PARAGRAPH 6.5 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
Strength Group *		
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
Steel Thickness	
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	0.53 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
600	12.0	5.6	7.0
900	8.4	3.7	4.7
1200	4.7	2.8	3.5
1500	3.0	1.9	2.6
1800	2.0	1.6	2.0
2100	1.3	1.4	1.7
2400	0.9	1.2	1.5
2700	-	1.1	1.3
3000	-	-	0.9

TABLE 2: ROOF SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT.	LOCAL PRESS. FACTOR K1	$P_z$ kPa	0.53 mm END SPAN mm	INT. SPAN mm	
CAT 1	1.0	4.85	720	880	
	1.09	1.5	6.13	570	710
		2.0	7.41	500	580
CAT 2	1.0	4.08	840	1050	
	1.00	1.5	5.16	670	840
		2.0	6.24	560	700
CAT 2.5	1.0	2.95	1150	1380	
	.85	1.5	3.73	890	1140
		2.0	4.51	770	940
CAT 3	1.0	2.00	1460	1800	
	.70	1.5	2.53	1290	1530
		2.0	3.06	1110	1340

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT.	$P_z$ kPa	0.53 mm SINGLE SPAN mm	END SPAN mm	INT. SPAN mm	
CAT 1	3.99	1320	850	1070	
	1.09	4.85	1180	720	880
		5.70	1120	590	770
CAT 2	3.36	1430	1010	1240	
	1.00	4.08	1310	840	1050
		4.80	1190	720	880
CAT 2.5	2.43	1670	1320	1580	
	.85	2.95	1510	1150	1380
		3.47	1410	970	1210
CAT 3	1.65	1950	1750	2180	
	.70	2.00	1800	1460	1800
		2.35	1690	1350	1620

\* For strength groups refer AS 1720 - 1975

Manufacturers Name: LYSAGHT BUILDING INDUSTRIES		FIXING OF 0.53 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>K. May</i> M.I.E. Aust.		NORTHERN TERRITORY CYCLONIC AREAS	DRAWING NO.
DATE: 19/2/88		APPROVED: <i>J. Gardner</i> M.I.E. AUST.	M/101/22
LYSAGHT DRAWING NO: 78406		DATE: 20/4/88	

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Sheet Steel Building Products Under Adverse Conditions

If it is intended to use uncoated, galvanneal, 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  
KLIPLOK HI-TEN (0.53 mm TCT) FIXED WITH KL65 CLIPS UP TO 10 m

78406



WP NO: KL5310

REFERENCES

REVISIONS