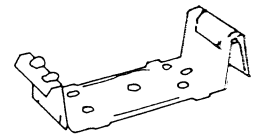
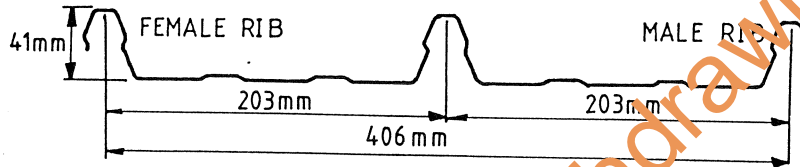


KLIP-LOK HI-TEN FOR ROOFING & WALLING



KL65

MATERIAL SPECIFICATION: 0.65 mm TCT ZINCALUME STEEL TO AS 397 - 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 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

Wooden Supports	
Strength Group *	Self-drilling wood screw
Hardwood J1 - J3	Type 17 Wafer Hd. No. 10-12x25 (Lysaght No. TWS 1025)
Softwood J4	Type 17 Wafer Hd. No. 10-12x35 (Lysaght No. TWS 1025)

Steel Supports	
Steel Thickness	Self-drilling & tapping screw
Up to 2.5 mm	No. 10-16x16 Wafer Hd. (Lysaght No. SWS 1016C)
2.5 - 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	0.65 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
600	21.0	7.2	9.0
900	11.2	4.8	6.0
1200	6.3	3.6	4.5
1500	4.0	2.5	3.6
1800	2.6	2.0	2.7
2100	1.7	1.8	2.3
2400	1.1	1.6	2.0
2700	0.8	1.2	1.8
3000	-	0.9	1.2

TABLE 2: ROOF SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTIPLIER	LOCAL PRESS. FACTOR K ₁	P _z kPa	0.65 mm	
			END SPAN mm	INT. SPAN mm
CAT 1	1.0	4.85	890	1130
1.09	1.5	6.13	730	880
	2.0	7.41	590	760
CAT 2	1.0	4.08	1080	1340
1.00	1.5	5.16	850	1060
	2.0	6.24	720	870
CAT 2.5	1.0	2.95	1370	1710
.85	1.5	3.73	1160	1450
	2.0	4.51	970	1200
CAT 3	1.0	2.00	1800	2400
.70	1.5	2.53	1490	1930
	2.0	3.06	1340	1680

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTIPLIER	P _z kPa	0.65 mm		
		SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	3.99	1500	1100	1370
1.09	4.85	1390	890	1130
	5.70	1270	780	960
CAT 2	3.36	1630	1260	1580
1.00	4.08	1490	1080	1340
	4.80	1390	900	1140
CAT 2.5	2.43	1850	1540	2000
.85	2.95	1720	1370	1710
	3.47	1610	1230	1540
CAT 3	1.65	2120	2330	2770
.70	2.00	2000	1800	2400
	2.35	1880	1590	2060

* For strength groups refer AS 1720 - 1975

Manufacturers Name: LYSAGHT BUILDING INDUSTRIES		FIXING OF 0.65 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. O'Neil</i> M.I.E. Aust		NORTHERN TERRITORY CYCLONIC AREAS	DRAWING NO.
DATE: 19/2/88	APPROVED: <i>J. Gardner</i> M.I.E. Aust	APPROVED:	M/101/24
LYSAGHT DRAWING NO: 78411/1		DATE: 20/4/88	

COPYRIGHT: This design and print is the property of John Lysaght (Australia) Limited and must not be reproduced or copied, wholly or in part, without written permission from the Company. Supply of this design and print represents a confidential communication between the Company and the recipient.
 Sheet Steel Building Products Under Adverse Conditions
 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
 KLIPLOK HI-TEN 0.65 mm TCT FIXED WITH KL 65 CLIPS UP TO 10 m

78411/1
 BUILDING INDUSTRIES

WP NO: KL6510

REFERENCES

REVISIONS