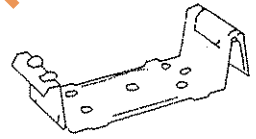
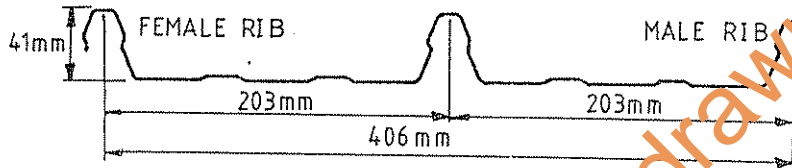


KLIP-LOK HI-TEN FOR

WALLING



KL65

MATERIAL SPECIFICATION: 0.65 mm TCT ZINCALUME STEEL TO AS 1197 - 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 K_1 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	
Strength Group *		Type	
Hardwood J1 - J3		Type 17 Wafer Hd. No. 10-12x2	(Lysaght No. TWS 1025)
Softwood J4		Type 17 Wafer Hd. No. 10-12x3	(Lysaght No. TWS 1025)

Steel Supports		Self-drilling & tapping screw	
Steel Thickness		No.	
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	0.65 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 FACTOR K_1	PRESS. 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
	2.0	7.41	590	760
CAT 2	1.0	4.08	1080	1340
	1.00	1.5	5.16	850
	2.0	6.24	720	870
CAT 2.5	1.0	2.95	1370	1710
	.85	1.5	3.73	1160
	2.0	4.51	970	1200
CAT 3	1.0	2.00	1800	2400
	.70	1.5	2.53	1490
	2.0	3.06	1340	1680

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTIPLIER	PRESS. 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
	5.70	1270	780	960
CAT 2	3.36	1630	1260	1580
	1.00	4.08	1490	1080
	4.80	1390	900	1140
CAT 2.5	2.43	1850	1540	2000
	.85	2.95	1720	1370
	3.47	1610	1230	1540
CAT 3	1.65	2120	2330	2770
	.70	2.00	2000	1800
	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>K. M. J.</i> M.I.E. Aust		NORTHERN TERRITORY CYCLONIC AREAS	DRAWING NO.
DATE: 19/2/88		APPROVED: <i>J. Anderson</i> M.I.E. AUST	M/215/30
LYSAGHT DRAWING NO: 78411/1		DATE: 20/4/88	

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Sheet Steel Building Products Under Adverse Conditions

If it is intended to use uncoated, galvanised, prime coated or Coldbond 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 Lysaght Building Industries (Australia) Limited (Incorporated in NSW)

CYCLONIC FIXING DATA
KLIPLOK HI-TEN (0.65 mm TCT) FIXED WITH KL65 CLIPS UP TO 10 m



78411/1

WP NO: KL6510

REFERENCES

REVISIONS