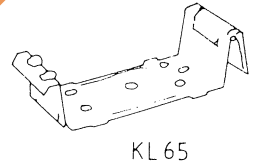
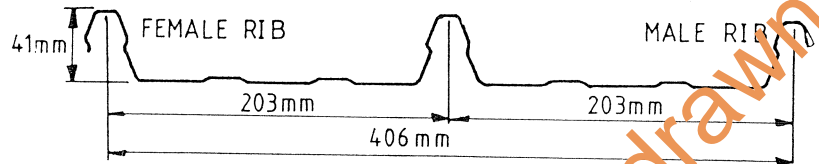


KLIP-LOK HI-TEN FOR ROOFING & WALLING



KL65

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 & 3 THE THREE SPANS FOR EACH TERRAIN CATEGORY ALLOW FOR LOCAL PRESSURE FACTOR K_1 AS PER PARAGRAPH 8.1 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	Steel Supports
Strength Group *	Steel Thickness
Hardwood J1 - J3	Up to 2.5 mm
Softwood J4	2.5 - 3.0 mm

Fastener	Timber	Steel
Self-drilling wood screw	Type 17 Wafer Hd. No. 10-12x25 (Lysaght No. TWS 1025)	Self-drilling & tapping screw No. 10-16x16 Wafer Hd. (Lysaght No. SWS 1016C)
Annular/Helical Grooved Nail	3.75 x 40 mm Galvanized	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 MULTIPLIER	LOCAL PRESS. P_z kPa	0.47 mm END SPAN mm	0.47 mm INT. SPAN mm
CAT 1	1.0	4.33	610	790
1.03	1.5	5.48	520	600
	2.0	6.62	450	540
CAT 2	1.0	3.61	760	930
	.94	1.5	4.56	590
2.0	1.5	5.51	520	600
	2.0	2.61	1020	1260
CAT 2.5	1.0	3.30	820	1030
	.80	2.0	3.99	680
CAT 3	1.0	1.78	1200	1300
	.66	1.5	2.25	1180
2.0	2.0	2.72	970	1220

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT.	LOCAL MULTIPLIER	LOCAL PRESS. P_z kPa	0.47 mm SINGLE SPAN mm	0.47 mm END SPAN mm	0.47 mm INT. SPAN mm
CAT 1	1.0	3.57	1300	760	940
1.03	1.5	4.33	1170	610	790
	2.0	5.09	1100	550	660
CAT 2	1.0	2.97	1420	880	1140
	.94	3.61	1300	760	930
2.0	1.5	4.24	1180	630	810
	2.0	2.15	1670	1220	1410
CAT 2.5	1.0	2.61	1490	1020	1260
	.80	3.07	1400	860	1110
CAT 3	1.0	1.46	1940	1470	1850
	.66	1.78	1810	1350	1590
2.0	2.0	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 Boming Roads, Winnellie. N.T. Phone: (089) 84 3311	DESIGN DATA SHEET
CERTIFIED: M.I.E. Aust	NORTHERN TERRITORY CYCLONIC AREAS APPROVED: MIE Aust
DATE: 19/2/88	DRAWING NO. M/101/14
LYSAGHT DRAWING NO: 78403	DATE: 20/4/88

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 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 used in accordance with the recommendations contained in this drawing.

SCALE	N.T.S.
DATE	22-2-88
DRAWN	T.G.

Engineering and Development
 Lysaght Building Industries
 A DIVISION OF JOHN LYSAGHT (AUSTRALIA) LIMITED (INCORPORATED IN NSW)
 CYCLONIC FIXING DATA
 KLIP-LOK HI-TEN 0.47 mm(TCT) FIXFD
 WITH KL 65 CLIPS UP TO 6 m

78403

REFERENCES
 WP NO: KL4706

REVISIONS