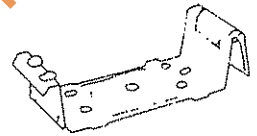
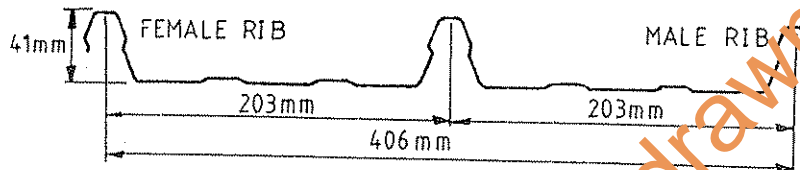


# KLIP-LOK HI-TEN FOR

# 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 81.2 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**

Roof Supports	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	Self-drilling & tapping screw
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 panels 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. COEFFICIENT $K_1$	$P_z$ kPa	0.47 mm		
MULTI-PLIER			END SPAN mm	INT. SPAN mm	
CAT 1	1.0	4.85	570	710	
	1.09	1.5	6.13	480	560
		2.0	7.41	390	490
CAT 2	1.0	4.08	660	830	
	1.00	1.5	5.16	550	650
		2.0	6.24	470	560
CAT 2.5	1.0	2.95	890	1150	
	.85	1.5	3.73	730	890
		2.0	4.51	590	760
CAT 3	1.0	2.00	1200	1300	
	.70	1.5	2.53	1060	1290
		2.0	3.06	870	1110

**TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS**

TERRAIN CAT.	$P_z$ kPa	0.47 mm			
MULTI-PLIER		SINGLE SPAN mm	END SPAN mm	INT. SPAN mm	
CAT 1	3.99	1220	680	850	
	1.09	4.85	1120	570	710
		5.70	1040	510	590
CAT 2	3.36	1340	800	1010	
	1.00	4.08	1200	660	830
		4.80	1130	570	710
CAT 2.5	2.43	1560	1100	1320	
	.85	2.95	1430	890	1150
		3.47	1320	780	970
CAT 3	1.65	1860	1400	1690	
	.70	2.00	1720	1270	1460
		2.35	1590	1130	1350

\* For strength groups refer AS 1720 - 1975

Manufacturers Name: <b>LYSAGHT BUILDING INDUSTRIES</b>		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>[Signature]</i> M.I.E. Aust			
DATE: 19/2/88	LYSAGHT DRAWING NO: 78404	NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>[Signature]</i> M.I.E. AUST	DRAWING NO. M/2015/26
		DATE: 20/4/88	

**COPYRIGHT:** This design and print is the property of John Lysaght (Australia) Limited and must not be used, 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, 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 (0.47 mm TCT) FIXED WITH KL 65 CLIPS UP TO 10 m

**78404**

WP NO: KL4710

REFERENCES

REVISIONS