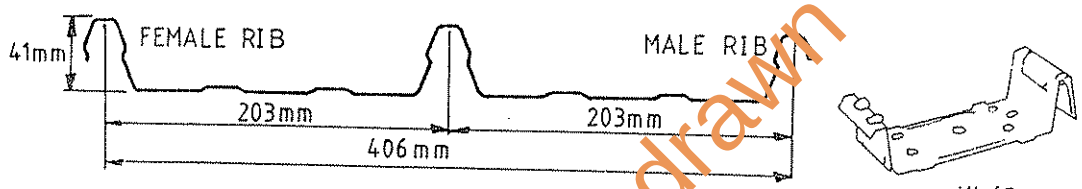
KLIP-LOK HI-TEN FOR WALLING



MATERIAL SPECIFICATION: 0.65 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 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

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 - 5.0 mm.	No. 10-24x16 Wafer Hd. (Lysaght No. SWS 1016)

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

* For strength groups refer AS 1720 - 1975

TABLE 2: ROOF SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTI-PLIER	LOCAL PRESS. FACTOR K1	P_z kPa	0.65 mm END SPAN mm	0.65 mm INT. SPAN mm
CAT 1 1.03	1.0	4.33	1010	1250
	1.5	5.48	810	1000
	2.0	6.62	670	830
CAT 2 .94	1.0	3.61	1200	1500
	1.5	4.56	960	1180
	2.0	5.51	810	990
CAT 2.5 .80	1.0	2.61	1470	1860
	1.5	3.30	1280	1600
	2.0	3.99	1100	1370
CAT 3 .66	1.0	1.78	2130	2700
	1.5	2.25	1650	2150
	2.0	2.72	1440	1790

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT. MULTI-PLIER	P_z kPa	0.65 mm SINGLE SPAN mm	0.65 mm END SPAN mm	0.65 mm INT. SPAN mm
CAT 1 1.03	3.57	1590	1210	1510
	4.33	1450	1010	1250
	5.09	1350	860	1080
CAT 2 .94	2.97	1720	1370	1710
	3.61	1580	1200	1500
	4.24	1470	1040	1280
CAT 2.5 .80	2.15	1950	1710	2250
	2.61	1790	1470	1860
	3.07	1700	1340	1670
CAT 3 .66	1.46	2220	2500	2870
	1.78	2070	2130	2710
	2.09	1970	1740	2310

Manufacturers Name:

LYSAGHT BUILDING INDUSTRIES

Address: Cnr. Coonawarra and Bombing Roads, Winnellie. N.T.

Phone: (089) 84 3311

CERTIFIED: M.I.E. Aust

DATE: 19/2/88

LYSAGHT DRAWING NO: 78407/1

FIXING OF 0.65 mm KLIP-LOK HI-TEN USING KL65 FIXING CLIPS IN THE DARWIN AREA BUILDING HEIGHT UP TO 6 m

DESIGN DATA SHEET

NORTHERN TERRITORY CYCLONIC AREAS

APPROVED: M.I.E. Aust

DATE: 20/4/88

DRAWING NO. 14/215/29

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 TG.

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 mmTCT) FIXED WITH KL 65 CLIPS UP TO 10 m

78407/1

WP NO: KL6506

REFERENCE

REVISIONS