

# ALLOWABLE WIND PRESSURES AND SPANS FOR ROOFS FIXED WITH 0.53, 0.60 OR 0.75 mm KLIPLOK

0.75 mm KLIPLOK FIXED WITH  $\phi 32 \times 1.0$  mm CYCLONE WASHERS

MATERIAL SPEC.: 0.53, 0.60 OR 0.75 mm THICK ALUMINIUM/ZINC COATED STEEL TO AS 1397-C300-AZ150 COLORBOND & GALVALUME PLATE HAVE AZ150 COATINGS

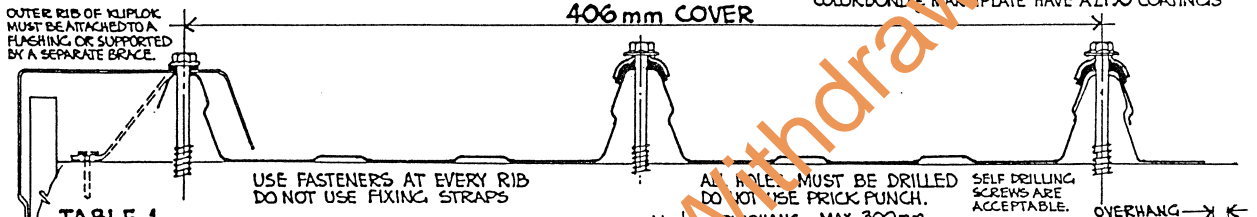


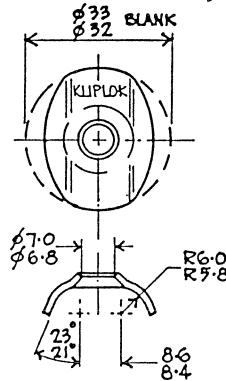
TABLE 1

SPAN mm	DESIGN WIND PRESSURE kPa.					
	0.53 KLIPLOK 406		0.60 KLIPLOK 406		0.75 KLIPLOK 406	
	END SPAN	INT. SPAN	END SPAN	INT. SPAN	END SPAN	INT. SPAN
600	6.4	7.9	8.2	10.6	9.8	12.0
900	4.3	5.2	6.1	7.1	6.5	8.0
1200	3.2	3.7	4.6	5.3	4.7	6.0
1500	2.6	2.2	3.3	4.2	3.6	4.9
1800	-	-	2.6	3.4	2.8	3.7
2100	-	-	2.4	3.2	2.6	3.4
2400	-	-	-	-	2.0	2.5

NOTE: TABLE 1 IS BASED ON CYCLIC TEST CRITERIA AS DEFINED BY THE DARWIN AREA BUILDING MANUAL CLAUSE 39.7 (c). THE ALLOWABLE ROOF SPANS OF TABLE 2 & 3 HAVE BEEN OBTAINED BY LINEAR INTERPOLATION OF  $P_z$  IN TABLE 1. HEIGHTS OF BUILDINGS ARE EAVES HEIGHT.

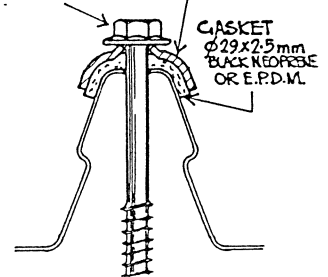
NOTE: FOR BUILDINGS GREATER THAN 5m WIDE THE FIRST 2 SPANS AT EACH END OF THE SHEET SHALL BE TREATED AS END SPANS.

CYCLONE WASHER -  $\phi 32 \times 1.0$  mm

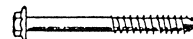


ASSEMBLY.

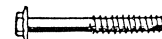
SCREW: SEE BELOW FOR RECOMMENDED SCREWS



RECOMMENDED SCREWS.



FIXING TO TIMBER OF STRENGTH GROUPS J1, J2 OR J3 OF AS1720 - 1975 USE TYPE 17 HEX HEAD SCREW NO 14-10x65 mm. REFER TO TABLE 9 FOR PRE-DRILL DATA.



FIXING TO STEEL USE TYPE 17 HEX HEAD SCREW NO 14-10x65 mm. REFER TO TABLE 9 FOR PRE-DRILL DATA.

TABLE 4 PRE-DRILL DATA.

STEEL THICKNESS	DRILL
1.6 mm TO 2.5 mm	4.5 mm
2.5 mm TO 5.0 mm	5.7 mm
5.0 mm TO 10.0 mm	6.0 mm

TABLE 2. MAX. ALLOWABLE ROOF SPANS FOR BUILDINGS OF HEIGHT UP TO 5 m.

TERRAIN CATEGORY	ROOF AREA	0.53 KLIPLOK 406		0.60 KLIPLOK 406		0.75 KLIPLOK 406	
		END SPAN mm	INT. SPAN mm	END SPAN mm	INT. SPAN mm	END SPAN mm	INT. SPAN mm
CAT. 1	$D_{R+4.24}$	920	1120	1280	1490	1350	1660
	F 5.37	750	880	1050	1190	1110	1370
	G 6.49	590	760	860	1000	900	1130
CAT. 2	D 3.53	1110	1360	1430	1750	1530	1860
	F 4.46	880	1070	1230	1430	1300	1610
	G 5.40	740	880	1040	1180	1110	1360
CAT. 2½	D 2.95	1500	1500	1830	1900	1930	2370
	F 3.22	1190	1490	1530	1890	1640	1990
	G 3.89	1010	1200	1360	1620	1430	1750

TABLE 3. MAX. ALLOWABLE ROOF SPANS FOR BUILDINGS OF HEIGHT FROM 5 m TO 10 m.

TERRAIN CATEGORY	ROOF AREA	0.53 KLIPLOK 406		0.60 KLIPLOK 406		0.75 KLIPLOK 406	
		END SPAN mm	INT. SPAN mm	END SPAN mm	INT. SPAN mm	END SPAN mm	INT. SPAN mm
CAT. 1	$D_{R+4.85}$	820	980	1150	1320	1210	1510
	F 6.13	640	800	900	1060	970	1180
	G 7.41	520	650	770	870	820	990
CAT. 2	D 4.08	960	1160	1320	1540	1390	1700
	F 5.16	780	900	1090	1240	1150	1430
	G 6.24	620	780	890	1040	950	1160
CAT. 2½	D 2.95	1320	1500	1650	1900	1740	2130
	F 3.73	1060	1270	1400	1680	1470	1790
	G 4.51	870	1060	1220	1410	1290	1600

LBI DWG No 696510

Sheet Steel Building Products Under adverse conditions if it is intended to use uncoated zinc/aluminum prime coated or colorbond building products within 1000 metres of salt marine localities, or for other special areas please contact your nearest LBI Sales Office for further details. Company products will perform as specified only if fixed in accordance with the recommendations contained in this data sheet.

MANUFACTURER'S NAME: LYSAGHT BUILDING IND.  
 ADDRESS: CNR. COONAWARRA AND BOMBING ROADS,  
 WINNELLIE, N.T. 5789 PHONE No. 843311

FIXING OF LYSAGHT KLIPLOK WITH  $\phi 32 \times 1.0$  mm CYCLONE WASHERS.  
 IN THE DARWIN AREA.

## DESIGN DATA SHEET

CERTIFIED: *[Signature]* M.I.E. Aust  
 DATE: 13/1/88  
 REVISION 1. 31/5/78  
 REVISION 2. 20/8/78

NORTHERN TERRITORY - CYCLONIC AREAS  
 APP'D: *[Signature]* DATE: 29/4/88

DRAWING NO: M/101/28