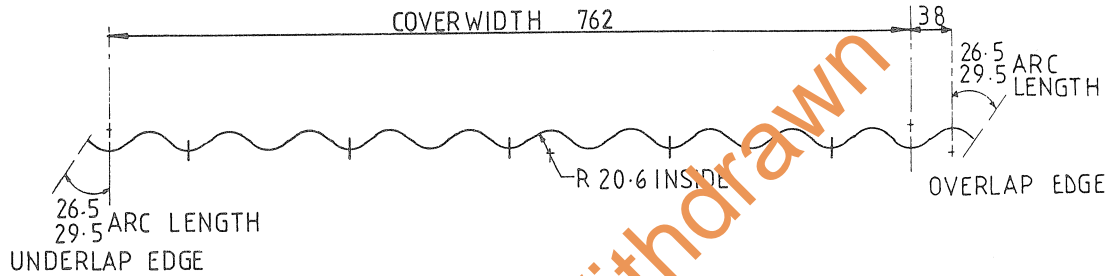


CUSTOM BLUE ORB FOR WALLS VALLEY FASTENED



MATERIAL SPECIFICATION: 0.86 mm TCT ZINCALUME STEEL TO AS 1397 - G300 - AZ200

TABLE 1 IS BASED ON CYCLIC TEST CRITERIA AS SPECIFIED IN N.B.T.C. TR 440. THE ALLOWABLE SPANS GIVEN IN TABLE 2 HAVE BEEN OBTAINED BY LINEAR INTERPOLATION OF P_z IN TABLE 1. OVERHANGS TO BE 200 mm MAXIMUM.

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 - 0.6. FOR TABLE 2 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. CRACKING 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 with EDPM seal
Hardwood J1 - J3	Type 17 Hex Hd. No.14-10x25 (Lysaght No. THS 1425)
Softwood J4	Type 17 Hex Hd. No.14-10x50 (Lysaght No. THS 1450)

Steel Supports	
Steel Thickness	Self-drilling tapping screw with EDPM seal
Up to 2.5 mm.	No. 14-10x20 Hex Hd. (Lysaght No. SHS 1420)
2.5 - 5.0 mm.	No. 14-20x22 Hex Hd. (Lysaght No. SHS 1422)

When fixing over insulation blankets, increase screw length to maintain fastener penetration in support.

TABLE 1: DESIGN WIND PRESSURE, P_z kPa

SPAN mm	0.86 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
900	8.0	6.0	7.5
1200	4.5	4.0	5.6
1500	2.1	2.4	4.1
1800	1.0	1.6	3.1
2100	0.5	1.0	2.2
2400	-	-	1.4
2700	-	-	1.0

TABLE 2: WALL SHEETING MAXIMUM ALLOWABLE SPANS, HEIGHT UP TO 6 m

TERRAIN CAT.	LOCAL PRESS. MULTIPLIER	LOCAL PRESS. P_z kPa	0.86 mm		
			SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.57	1310	1280	1660
	1.03	1.5 4.33	1220	1150	1450
	2.0	5.09	1150	1030	1300
CAT 2	1.0	2.97	1390	1390	1840
	.94	1.5 3.61	1310	1270	1650
	2.0	4.24	1230	1160	1470
CAT 2.5	1.0	2.15	1490	1590	2120
	.80	1.5 2.61	1430	1460	1960
	2.0	3.07	1380	1370	1810
CAT 3	1.0	1.46	1670	1870	2370
	.66	1.5 1.78	1580	1730	2260
	2.0	2.09	1500	1610	2140

* For strength groups refer AS 1720 - 1975

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS, HEIGHT UP TO 10 m

TERRAIN CAT.	LOCAL PRESS. MULTIPLIER	LOCAL PRESS. P_z kPa	0.86 mm		
			SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.99	1260	1200	1530
	1.09	1.5 4.85	1170	1070	1350
	2.0	5.70	1090	940	1180
CAT 2	1.0	3.36	1340	1320	1720
	1.00	1.5 4.08	1250	1180	1500
	2.0	4.80	1170	1080	1360
CAT 2.5	1.0	2.43	1460	1490	2020
	.85	1.5 2.95	1390	1390	1850
	2.0	3.47	1330	1300	1690
CAT 3	1.0	1.65	1620	1780	2300
	.70	1.5 2.00	1520	1650	2170
	2.0	2.35	1470	1510	2050

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, 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	T.G.
AUTH	

Engineering and Development
Lysaght Building Industries
A DIVISION OF JOHN LYSAGHT (AUSTRALIA) LIMITED (INCORPORATED IN NSW)

CYCLONIC FIXING DATA
CUSTOM BLUE ORB(0.86 mm TCT)
VALLEY FASTENED. UP TO 6 m & 10 m

Manufacturers Name: LYSAGHT BUILDING INDUSTRIES		FIXING OF 0.86 mm CUSTOM BLUE ORB VALLEY FIXED ON WALLS IN THE DARWIN AREA BUILDING HEIGHT UP TO 6 m & 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	NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>[Signature]</i> M.I.E. Aust	DRAWING NO. <i>M/215/7</i>
LYSAGHT DRAWING NO: 78402		DATE: 20/4/88	

78402

WP NO: CB086V

REFERENCES

REVISIONS