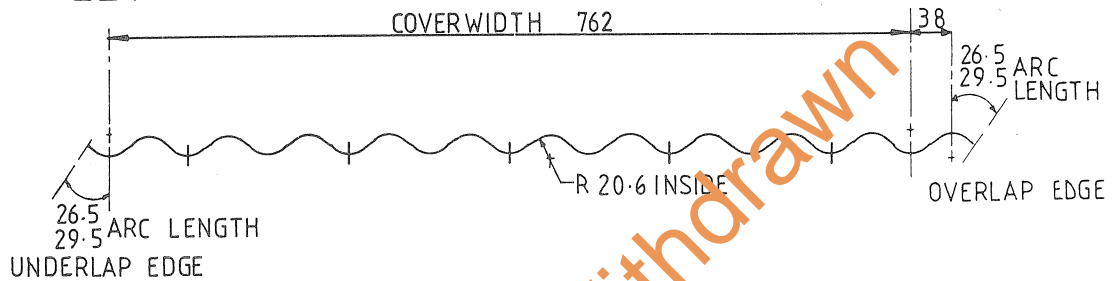


# CUSTOM BLUE ORB FOR WALLS VALLEY FASTENED



**MATERIAL SPECIFICATION: 0.66 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 TABLES 2 & 3 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 & Lapping screw with EDPM seal
Up to 2.0 mm.	No. 14-10x25 Hex Hd. (Lysaght No. SHS 1420)
2.5 - 3.0 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	0.66 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
600	9.5	5.2	6.5
900	4.2	3.4	4.3
1200	1.3	2.2	3.2
1500	0.5	1.4	2.4
1800	-	0.8	1.6
2100	-	-	1.1
2400	-	-	0.7

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

TERRAIN CAT.	LOCAL PRESS. MULTIPLIER	$P_z$ kPa	0.66 mm		
			SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.57	960	870	1100
	1.03	4.33	890	740	890
	2.0	5.09	850	610	790
CAT 2	1.0	2.97	1020	1000	1280
	.94	3.61	960	860	1090
	2.0	4.24	890	760	910
CAT 2.5	1.0	2.15	1110	1220	1590
	.80	2.61	1060	1090	1420
	2.0	3.07	1010	980	1240
CAT 3	1.0	1.46	1180	1350	1800
	.66	1.78	1150	1350	1730
	2.0	2.09	1120	1240	1610

\* For strength groups refer AS 1720 - 1975

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

TERRAIN CAT.	LOCAL PRESS. MULTIPLIER	$P_z$ kPa	0.66 mm		
			SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.99	920	800	980
	1.09	4.85	860	660	820
	2.0	5.70	810	570	710
CAT 2	1.0	3.36	980	910	1150
	1.00	4.08	910	780	960
	2.0	4.80	860	660	830
CAT 2.5	1.0	2.43	1080	1140	1490
	.85	2.95	1030	1010	1290
	2.0	3.47	970	890	1120
CAT 3	1.0	1.65	1160	1350	1780
	.70	2.00	1120	1270	1650
	2.0	2.35	1090	1160	1510

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**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.

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 (0.66mm TCT)  
VALLEY FASTENED. UP TO 6 m & 10 m

Manufacturers Name: <b>LYSAGHT BUILDING INDUSTRIES</b>		FIXING OF 0.66 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		NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>[Signature]</i> DATE: 20/4/88	DRAWING NO. <b>M/215/3</b>
DATE: 19/2/88		LYSAGHT DRAWING NO: 78397	

**78397**

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WP NO: CB066V

REFERENCES

REVISIONS