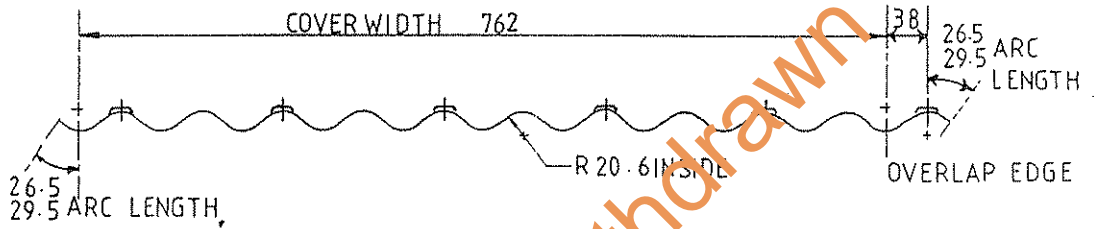


CUSTOM BLUE ORB FOR WITH CYCLONE WASHERS

WALLING



MATERIAL SPECIFICATION: 0.66 mm TCT ZINCALUME STEEL TO AS 1297 - 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 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 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 with EDPM seal
Hardwood J1 - J3	Type 17 Hex Hd. No. 14-10x50 (Lysaght No. THS 1450)
Softwood J4	Type 17 Hex Hd. No. 14-10x65 (Lysaght No. THS 1465)

Steel Supports	
Steel Thickness	Self-drilling & tapping screw with EDPM seal
Up to 2.5 mm	No. 14-10x42 Hex Hd. (Lysaght No. SHS 1442)
2.5 - 3.0 mm	No. 14-20x45 Hex Hd. (Lysaght No. SHS 1445)

When fixing over insulation brackets 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	11.3	7.5	9.4
900	5.0	5.0	6.2
1200	1.5	2.7	4.5
1500	0.6	1.4	3.0
1800	-	0.8	1.7
2100	-	0.5	1.1
2400	-	-	0.7

TABLE 2: ROOF SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT.	LOCAL PRESS. FACTOR	P_z kPa	0.66 mm		
			END SPAN mm	INT. SPAN mm	
CAT 1	1.0	4.33	900	1200	
	1.03	1.5	5.48	840	1020
	2.0	6.62	700	860	
CAT 2	1.0	3.61	900	1200	
	.94	1.5	4.56	900	1190
	2.0	5.51	840	1020	
CAT 2.5	1.0	2.61	900	1200	
	.80	1.5	3.30	900	1200
	2.0	3.99	900	1200	
CAT 3	1.0	1.78	900	1200	
	.66	1.5	2.25	900	1200
	2.0	2.72	900	1200	

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS

TERRAIN CAT.	P_z kPa	0.66 mm			
		SINGLE SPAN mm	END SPAN mm	INT. SPAN mm	
CAT 1	3.57	1020	1080	1380	
	1.03	4.33	950	980	1230
	5.09	890	890	1090	
CAT 2	2.97	1070	1160	1500	
	.94	3.61	1020	1080	1380
	4.24	960	1000	1250	
CAT 2.5	2.15	1140	1320	1690	
	.80	2.61	1100	1220	1590
	3.07	1060	1150	1480	
CAT 3	1.46	1200	1350	1800	
	.66	1.78	1170	1350	1780
	2.09	1150	1340	1710	

* For strength groups refer AS 1720 - 1975

Manufacturers Name:

LYSAGHT BUILDING INDUSTRIES

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CERTIFIED: *[Signature]* M.I.E. Aust

DATE: 19/2/88

LYSAGHT DRAWING NO: 78395

FIXING OF 0.66 mm CUSTOM BLUE ORB WITH CYCLONE WASHERS IN THE DARWIN AREA BUILDING HEIGHT UP TO 6 m

DESIGN DATA SHEET

NORTHERN TERRITORY

CYCLONIC AREAS

APPROVED: *[Signature]* M.I.E. Aust

DATE: 20/4/88

DRAWING NO.

M/215/4

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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 (0.66mm TCT) WITH
CYCLONE WASHERS. UP TO 6 m.



78395

WP NO: C806606W

REFERENCES

REVISIONS