

DEEMED TO COMPLY TABLES

for

CORRUGATED IRON 0.47 TCT CYCLONE FIX AT EVERY SECOND CREST
FOR WALL & ROOF SHEETING - REGION C

Date:	15/12/1992
Drawn By:	P.W.
Scale:	N.T.S.
Drawing No.:	DCT-003

Overall Length 850mm (Approx.)
Cover Width 760mm



Underlap Rib

Overlap Rib

Material Specification : 0.47mm TCT ZINCALUME STEEL TO ASI397 - G550 Fy. 550 MPa A1150

Testing was carried out in accordance with AS4040.3 - 1992, "METHOD OF TESTING SHEET FOOTING AND WALL CLADDING - Method 3: RESISTANCE TO WIND PRESSURE FOR CYCLONE REGIONS", with specific modifications in accordance with BCA - NT Specification P.1.3.3(3b)

Wind Loads are determined in accordance with AS1170.2 - 1989 "S.A.A. LOADING CODE PART 2 - WIND LOADS", and the tables have been calculated for permissible stress wind speeds V_W. The Tables below set out the three spans for each Terrain Category and allow for local pressure factor K_{ps} as per Section 3.4.5 of AS1170.2.

The racking strength of the Cladding should not be included in the design of a Structure.

Testing carried out using BUILDEX® (A Division of W.A.DEUTSCHER Pty. Ltd.) Screws & Cyclone Washers ♦ Refer Deemed to Comply Drawing No. M/115/3 - Dated 04/02/91

RECOMMENDED FASTENERS

Timber Supports	Self-drilling Wood Screw with Cyclone Assembly HiTek No. 14 - 10x65mm - TYPE 17 HARDWOOD HiTek No. 14 - 10x50mm - TYPE 17
Steel Supports	Self-drilling & tapping Screw with Cyclone Assembly HiTek No. 14 - 10x42mm

WIND LOAD FACTORS
Ms = 1.00 Kp = 1.00
Mt = 1.00 Ka = 1.00
Mi = 1.00

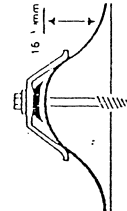


Table 1			
PERMISSIBLE STRESS DESIGN WIND PRESSURE (kPa) - from test results			
SPAN (mm)	INTERNAL SPAN		INTERNAL SPAN
	SINGLE SPAN	END SPAN	
600	12.0	6.0	7.5
900	5.4*	4.0*	5.2*
1200	3.0	2.1	3.7
1500	1.2*	1.1*	2.4*
1800	0.6	0.6	1.4
2100	-	-	0.9

(* Value Interpolated from Test Results)

TESTING

Carried out by CIVIL TEST
Dept. of Civil Engineering
The University of Adelaide, South Australia

APP

Sym 22/1/93
AIEAUST

TABLES

Prepared by ACIER HOSKING OBORN Pty Ltd.
Consulting Engineers, South Australia

COPYRIGHT ©

The Design and Print is the Property of
COWELLS BUILDING PRODUCTS GROUP
and must not be copied unless in full.

Table 2 REGION C Cpe = -0.90

Height (m)	Terrain Cat.	Mz,cat	qz (kPa)	Kl	pz (kPa)	Allowable Span (mm)	
						Single	Internal
6	1 & 2	0.96	1.80	1.0	3.05	700**	900**
6	3 & 4	0.82	1.30	1.0	2.22	700**	900**
						700**	800
10	1 & 2	1.00	1.95	1.0	3.31	700**	900**
						700**	850
10	3 & 4	0.89	1.54	1.0	2.63	700**	1100
						700**	1000
10	1 & 2	2.0	4.01	2.0	4.01	700**	900
						700**	1100

** SPAN LIMITED BY CONCENTRATED LIVE LOADS

Table 3 REGION C Cpe = -0.65

Height (m)	Terrain Cat.	Mz,cat	qz (kPa)	Kl	pz (kPa)	Allowable Span (mm)	
						Single	Internal
6	1 & 2	0.96	1.80	1.0	2.61	1200	1100
6	3 & 4	0.82	1.30	1.0	3.19	1150	1000
						1050	950
10	1 & 2	1.00	1.95	1.0	2.83	1350	1250
						1200	1100
10	3 & 4	0.89	1.54	1.0	2.74	1300	1150
						1150	1050

Cowells

A.C.N. 007 869 776
BUILDING PRODUCTS GROUP
(A Member of the Emal Group of Companies)

13 - 27 Martin Avenue, GILLMAN S.A. 5013
P.O. Box 232 PORT ADELAIDE S.A. 5015
Phone: (08) 47 5055 - Fax: (08) 47 7403 or (08) 341 1089

DESIGN DATA SHEET
DARWIN CYCLONE AREA

Date: 2.13.93
App'd: [Signature]
Drg. No.: M/117/1