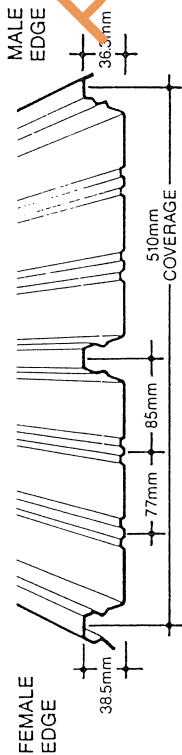


Date: 9-Mar-93
 Drawn By: P.W.
 Scale: N.T.S.
 Drawing No. DCT-005

DEEMED TO COMPLY TABLES for

ASTRADEK 0.65 TCT CYCLONE FIX AT EVERY CREST FOR WALL & ROOF SHEETING - REGION C

ASTRADEK (CLIP FIX) Min. Roof Pitch 1° (1 in 60).



Material Specification : ASTRADEK 0.65mm TCT STEEL G550

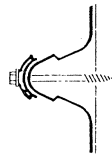
Testing was carried out in accordance with AS4040.3 - 1992, "METHOD OF TESTING SHEET ROOF AND WALL CLADDING - Method 3: RESISTANCE TO WIND PRESSURE FOR CYCLONE REGIONS", with specific modifications in accordance with BCA - NT Specification 1.2.(3b)

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. The Tables below set out the three spans for each Terrain Category and allow for local pressure factor K_{p} 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 BUILDDEX® (A Division of W.A.DEUTSCHER Pty. Ltd.) Screws & Cyclone Washers ♦ Refer Deemed to Comply Drawing No. M/115/1 - Dated 04/02/91

RECOMMENDED FASTENERS	
Timber Supports	Self-drilling Wood Screw with Cyclone Assembly
Strength Group	No. 14 - 10x90mm - TYPE 17
SOFTWOOD	
HARDWOOD	No. 14 - 10x75mm - TYPE 17
Steel Supports	Self-drilling & tapping Screw with Cyclone Assembly
Steel Thickness	No. 14 - 10x65mm HiTek
3mm Max.	
WIND LOAD FACTORS	
$M_s = 1.00$	$K_p = 1.00$
$M_t = 1.00$	$K_a = 1.00$
$M_i = 1.00$	



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

15/3/93
 MIE Aust.

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

Table 2 REGION C ROOF CLADDING

$V_p = 57$ Cpe = -0.90 Cpi = 0.80

Height (m)	Terrain Cat.	M_z, cat (kPa)	q_z (kPa)	K1	pz (kPa)	Allowable Span (mm) End	Allowable Span (mm) Internal
6	1 & 2	0.96	1.80	1.0	3.05	1600	1920
				1.5	3.86	1350	1600
				2.0	4.67	1150	1350
10	3 & 4	0.82	1.30	1.0	2.22	1800	2100
				1.5	2.80	1730	2100
				2.0	3.39	1500	1800
10	1 & 2	1.00	1.95	1.0	3.31	1550	1850
				1.5	4.19	1270	1500
				2.0	5.07	1100	1250
10	3 & 4	0.89	1.54	1.0	2.53	1800	2100
				1.5	3.32	1550	1850
				2.0	4.01	1330	1550

Table 3 REGION C WALL CLADDING

$V_p = 57$ Cpe = -0.65 Cpi = 0.80

Height (m)	Terrain Cat.	M_z, cat (kPa)	q_z (kPa)	K1	pz (kPa)	Allowable Span (mm) End	Allowable Span (mm) Internal
6	1 & 2	0.96	1.80	1.0	2.61	1800	2100
				1.5	3.19	1570	1900
				2.0	3.77	1400	1650
6	3 & 4	0.82	1.30	1.0	1.89	1800	2100
				1.5	2.32	1800	2100
				2.0	2.74	1750	2100
10	1 & 2	1.00	1.95	1.0	2.83	1700	2100
				1.5	3.44	1470	1750
				2.0	4.07	1300	1530
10	3 & 4	0.89	1.54	1.0	2.24	1800	2100
				1.5	2.74	1750	2100
				2.0	3.24	1550	1850

DESIGN DATA SHEET
 DARWIN CYCLONE AREA
 Date: 22.3.93
 App'd: [Signature]
 Drg No.: M/117/6

COWELLS
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