

DEEMED TO COMPLY TABLES

for

COWELLDECK 0.47 TCT PAN FIX NEXT TO EVERY RIB FOR WALL SHEETING ONLY - REGION C

Date:	15-Dec-92
Drawn By:	P.W.
Scale:	N.T.S.
Drawing No.:	DCT-001

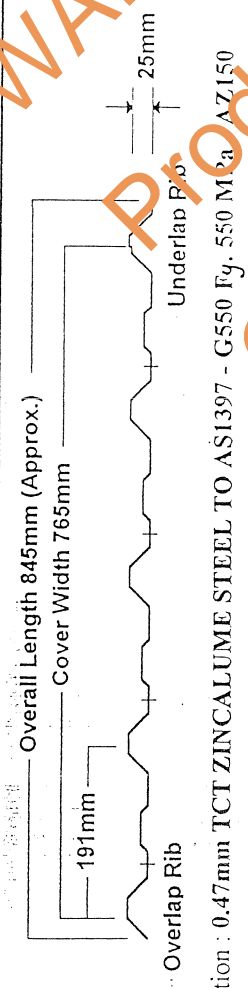


Table 1

PERMISSIBLE STRESS DESIGN WIND PRESSURE (kPa) - from test results			
SPAN (mm)	SINGLE SPAN	END SPAN	INTERNAL SPAN
600	7.1	4.4	5.5
900	3.9*	3.1*	3.7*
1200	2.2	2.2	2.7
1500	1.4*	1.5*	2.0*
1800	0.9*	0.9*	1.4
2100	0.5	0.5	1.0

(* Value interpolated from Test Results)

Material Specification : 0.47mm TCT ZINCALUME STEEL TO ASI397 - G550 Fy. 550 MPa AZ150

Testing was carried out in accordance with AS4040.3 - 1992, "METHOD OF TESTING SHEET JOINTS OF WALL CLADDING - Method 3: RESISTANCE TO WIND PRESSURE FOR CYCLONE REGIONS", with specific modifications in accordance with BCA - NT Specification B.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 V_p . The Tables below give out the three spans for each Terrain Category and allow for local pressure factor K_1 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.

RECOMMENDED FASTENERS	
Timber Supports	
Strength Group	Self-drilling Wood Screw with EDPM Seal
SOFTWOOD	HiTek No. 14 - 10x50mm - TYPE 17
HARDWOOD	HiTek No. 14 - 10x25mm - TYPE 17
Steel Supports	
Steel Thickness	Self-drilling & tapping Screw with EDPM Seal
3mm Max.	HiTek No. 14 - 10x20mm

WIND LOAD FACTORS	
$M_s =$	1.00
$M_t =$	1.00
$M_i =$	1.00
$K_p =$	1.00
$K_a =$	1.00

Table 2

REGION C WALL CLADDING									
Height (m)	Terrain Cat.	Mz, cat. (kPa)	Cpe = 0.85	K1	pz (kPa)	Allowable Span (mm)		Cpi = 0.80	Internal
						Single	End		
6	1 & 2	0.96	1.8	1.7	2.61	1100	1050	1250	1250
						970	870		
6	3 & 4	0.82	1.30	1.0	1.8	900	700	870	870
						1770	1300		
10	1 & 2	1.00	1.95	1.0	2.83	1150	1150	1370	1370
						1070	1020		
10	3 & 4	0.89	1.54	1.0	2.24	1200	1200	1400	1400
						1070	1170		
						970	870		870

Testing carried out using BUILDDEX ® (A Division of W.A. DEUTSCHER Pty. Ltd)

Screws

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

APP [Signature] 22/1/93
 MIE NOST

TABLES
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DESIGN DATA SHEET
 DARWIN CYCLONE AREA
 Date: 2/3/92
 App'd: [Signature]
 Drg. No.: M/117/3