

CORRUGATED - SPAN TABLES

(5 FASTENERS PER SHEET)

CORRUGATED 0.42 bmt (0.47 tct)-5 cyclone caps per sheet			BUILDINGS UP TO 5m HIGH			
TERRAIN CATEGORY	ROOF AREA	PRESSURE kPa	MAXIMUM SPANS (mm)		MAXIMUM OVERHANG (mm)	
			EQUAL CONTINUOUS	REDUCED END CONTINUOUS	STIFFENED*	UNSTIFFENED*
CAT 1 & 2	D	3.34	1000	1200/950	250	100
	F	4.49	825	950/750	200	75
	G	5.63	650	750/550	150	50
CAT 2 1/2	D	2.83	1050	1200/950	250	100
	F	3.80	950	1150/900	250	100
	G	4.77	775	900/725	200	75

CORRUGATED 0.42 bmt (0.47 tct)-5 cyclone caps per sheet			BUILDINGS UP TO 10m HIGH			
TERRAIN CATEGORY	ROOF AREA	PRESSURE kPa	MAXIMUM SPANS (mm)		MAXIMUM OVERHANG (mm)	
			EQUAL CONTINUOUS	REDUCED END CONTINUOUS	STIFFENED*	UNSTIFFENED*
CAT 1 & 2	D	3.71	950	1150/900	250	100
	F	4.97	750	850/675	175	75
	G	6.24	600	675/550	125	50
CAT 2 1/2	D	3.31	1000	1200/950	250	100
	F	4.40	850	975/775	200	75
	G	5.57	675	750/600	150	50

* Unstiffened/stiffened refers to whether or not the edge of the sheeting has been stiffened by a gutter system or similar. Minimum overhang is 50mm but 100mm is desirable.

GENERAL NOTES:

Working pressures have been calculated in accordance with AS1170.2-1989. Spans are based on the most conservative combinations of the following factors:-

Basic Wind Speed (V_p) = 57 m/s

Terrain Category Multiplier

T.C. 1&2 up to 5m ($M_{z,cat}$) = 0.95

T.C. 2 1/2 up to 5m ($M_{z,cat}$) = 0.88

T.C. 1&2 up to 10m ($M_{z,cat}$) = 1.00

T.C. 2 1/2 up to 10m ($M_{z,cat}$) = 0.95

Multipliers for shielding, topography and importance = 1.00

External Pressure Coefficient ($C_{p,e}$) = -1.3

Local Pressure Factors (K_1) = 2.0 or 1.5 or 1.0

Internal Pressure Coefficient ($C_{p,i}$) = +0.6

ROOF AREA G refers to any part of the roof within 0.5a of the edge (and ridge for roof slopes greater than 10°). ROOF AREA F refers to any part of the roof within 1.0a of the edge (and ridge for slopes greater than 10°). ROOF AREA D refers to roof areas other than F or G. Where a is the least value of 0.2 building width, 0.2 building depth or building ridge height.

MANUFACTURER:
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FIXING OF
CORRUGATED
 IN THE DARWIN AREA
DESIGN DATA SHEET

CERTIFIED: *M. J. E. (Aut)*
 195063

NORTHERN TERRITORY
 DEPARTMENT OF LANDS AND HOUSING

DRAWING No.

DATE: 30/3/97

APPROVED: *[Signature]*
 DATE: 27/5/97

M/103/6