

# MONOCLAD - SPAN TABLES

MONOCLAD 0.42 bmt (0.47 tct) - Cyclone Caps each rib			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	1375	1700/1350	375	150
	F	4.49	1125	1275/1025	275	125
	G	5.63	900	1025/825	200	100
CAT 2 1/2	D	2.83	1425	1700/1350	400	150
	F	3.80	1300	1525/1225	325	150
	G	4.77	1075	1200/950	250	125

MONOCLAD 0.42 bmt (0.47 tct) - Cyclone Caps each rib			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	1300	1550/1250	325	150
	F	4.9	1025	1150/925	250	100
	G	6.24	800	925/750	175	75
CAT 2 1/2	D	3.31	1375	1700/1350	375	150
	F	4.40	1150	1300/1050	275	125
	G	5.57	900	1050/850	200	100

\* 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  
**MONOCLAD**  
 IN THE DARWIN AREA

## DESIGN DATA SHEET

CERTIFIED: *M. J. W. M.I.G. (Asst)*  
 195063

NORTHERN TERRITORY  
 DEPARTMENT OF LANDS AND HOUSING

DRAWING No.

DATE: 30/3/97

APPROVED: *[Signature]*  
 DATE: 29/5/97

M/103/4