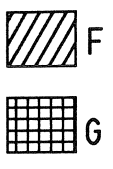


ALLOWABLE ROOF SPANS FOR 0.47mm CORAK CORRUGATED FIXED WITH 40 x 46 x 1.0mm CYCLONE WASHERS ③ ①

REGIONAL BASIC
WIND SPEED = 57 m/sec ④



ISOMETRIC SHOWING
TYPICAL LOCAL PRESSURE
COEFFICIENTS (K)

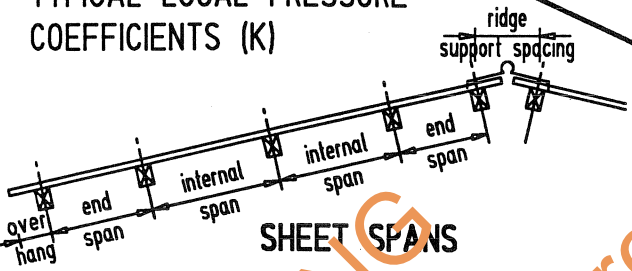
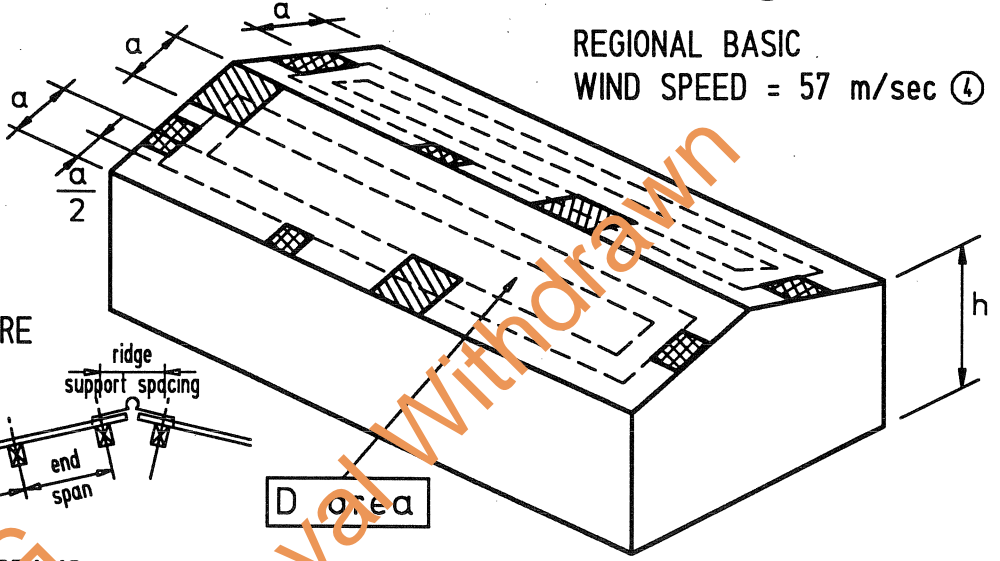


TABLE 1 . MAX ALLOWABLE SPANS ⑤

Terrain category Multiplier	Roof Area Notation	Fastener Frequency ⑥	Maximum End Span mm	Maximum Internal Span mm	Overhang		Ridge Purlin Spacing	Side Lap Fastener
					Maximum	Minimum		
CATEGORY 1 AND 2 0.95	D ② Pz = 2.8	Every 2nd Corrugation	900	1200	Unsupported Overhangs 200mm Stiffened Overhangs 300mm	50mm for All Fixing Conditions	240mm Max. for All Fixing Conditions	Side lap Fasteners required at centre span for spans exceeding 900mm. Screw Specification - Slotted pan head self tapping or hex No. 5 point No. 8 x 12mm with neoprene seal
	F Pz = 3.6		900	1200				
	G Pz = 4.4		750	900				
CATEGORY 2 1/2 0.88	D Pz = 2.40		900	1200				
	F Pz = 3.06		900	1200				
	G Pz = 3.73		900	1100				

NOTES :

- 0.47mm total coated thickness (0.42mm base Zn/Al coated steel to AS1445-C990-AZ 150 colorbond has a AZ150 Class Zn/Al coating supplied by J.L.A.)
- $V_z = V_p M(z,cat) M_s M_t M_i$ where $M_s = M_t = M_i = 1.0$ and $M(z,cat) =$ Terrain Category Multiplier.
 $q_z = 0.6V_z^2 \times 10^{-3}$
 $p_z = C_p q_z$
 $C_p =$ Overall pressure coefficient
 $C_{pe} = +0.9$ $C_{pi} = +0.7$
- Refer to data sheet no. 2 for details of cyclone washer.
- Basic Wind Speed $V_p = 57$ m/sec.
- Max. allowance spans derived from table 1 of data sheet 2.

Sheeting Profile

MANUF'S NAME METCLAD METAL ROOFING AND CLADDING PTY LTD
ADDRESS LOT 1130 GEORGINA CR. PALMERSTON
PHONE No. (089) 32 2077

FIXING OF Corak Corrugated
On Buildings of Height up to 5m
IN THE DARWIN AREA

IRWIN, JOHNSTON & PARTNERS (N.T.) ENGINEERS PTY. LTD. CONSULTING ENGINEERS
82 SMITH STREET, DARWIN 0801
TEL (089)818 011 FAX (089)814 010
CERTIFIED *[Signature]* M.I.E. AUST

DESIGN DATA SHEET 1
DEPT. OF LANDS AND HOUSING BUILDING AUTHORITY BRANCH
DRAWING. NO. M/121/1
APP'D *[Signature]* DATE 26-8-93