

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

TABLE 1.

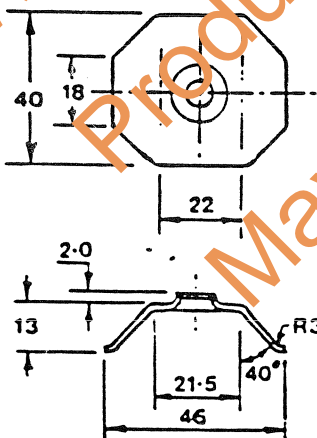
Frequency of fasteners	DESIGN WIND PRESSURE (kPa)				
	End Span mm.		Internal Span mm.		
	600	900	600	900	1200
Every second Corrugation	5.8	3.9	7.2	4.8	3.6
Every Corrugation	7.7	5.2	9.6	6.4	-

NOTES ON TABLE 1

The table of design wind pressure is to be used whenever cyclic load time criteria applies. The data contained in table 1 is based on cyclic load criteria as defined by the Building Code of Australia N.T. Appendix. Linear interpolation may be carried out for pressures and spans not listed. The design wind pressure values of table 1 include the counteracting effect of the dead load of the sheeting.

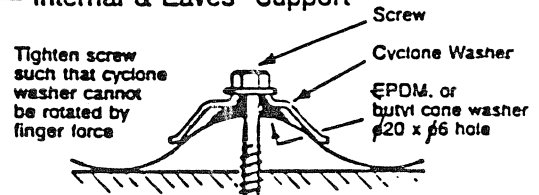
CYCLONE WASHER

Dimensions:— Millimetres



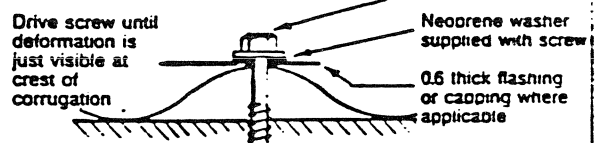
ASSEMBLY OF FASTENERS

A:— Internal & Eaves² Support

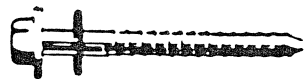


Holes through (interline corrugated) must be drilled do not use prick punch

B: Ridge, Hip and Valley Support



Do Not Overtighten Screws

Timber Supports		Type 17 hex head self drilling screw with a 20 butyl cone washer (#6 hole) No 14 - 10 x 50 mm
For use in number of strength groups J1, J2 or J3 of AS 1720-1979		
Strength Group J4		Type 17 etc. No 14 - 10 x 65 mm
Steel Supports		
Steel Thk.	Pre Drill	 Self drilling & tapping screw No 14, 10 x 40 mm long
1.6 mm to 2.5 mm	∅ 4.5 mm	
2.5 mm to 5.0 mm	∅ 5.5 mm	

GENERAL NOTES

- 0.47 mm total coated thickness (0.42 mm base) Al/Zn coated steel to AS1445-G550-AZ150. Supplied by B.H.P. Australia.
- Frequency of fasteners at edge supports may be at every second corrugation provided that the wind pressure on the adjacent span does not exceed the value listed in table 1. This applies to both every and every second fastener frequency on internal supports.
- Material for cyclone washer: 1.0 mm thick base zinc coated steel to AS1397-G350-Z430, or AZ200.

MANUF'S NAME METCLAD METAL ROOFING AND CLADDING PTY LTD

ADDRESS LOT 1130 GEORGINA CR. PALMERSTON
PHONE No. (089) 32 2077



IRWIN, JOHNSTON & PARTNERS (N.T.) ENGINEERS PTY. LTD. CONSULTING ENGINEERS
 82 SMITH STREET, DARWIN 0801
 TEL (089)183 0111 FAX (089)814 010

CERTIFIED

M.I.E. AUST

FIXING OF Corak Corrugated
 Roofing
 IN THE DARWIN AREA

DESIGN DATA SHEET 2

DEPT. OF LANDS AND HOUSING
 BUILDING AUTHORITY BRANCH

DRAWING. NO.

APP'D 

DATE 2-3-94

M/114/9