



MATERIAL SPECIFICATION	
Aust. Standards:	AS 1397 - 1984 G550/AZ150
Thickness:	
BMT	0.48, 0.60 (mm)
TCT	0.53, 0.65 (mm)
Roof Pitch:	
Roof length < 15 m	2° (1 in 30) min.
Roof length > 15 m	3° (1 in 20) min.
Lapped roof	5° (1 in 12) min.
Cover:	500 mm, ± 4
Finish:	Zincalume, Colorbond

FASTENER DETAILS		
Material		Screws
Fixing to	Up to 1.0 mm	No. 14-10 x 65 Type 17 Screw with 1.0 BMT G300 Cyclone Washer
Steel	1.0 to 5.0 mm	No. 14-10 x 65 Hex. Head Tek with 1.0 BMT G300 Cyclone Washer
Fixing to	Hardwood J1 - J3	No. 14-10 x 90 Type 17 Screw with 1.0 BMT G300 Cyclone Washer
Timber	Softwood J4	No. 14-10 x 100 Type 17 Screw with 1.0 BMT G300 Cyclone Washer
Insulation	When fixing over insulation to either steel or timber battens add 10 mm to screw length.	

ALLOWABLE WIND PRESSURE (kPa)		
Span (mm)	Type of Span	
	End (kPa)	Internal (kPa)
600	7.65	9.56
900	5.10	6.37
1200	3.82	4.78
1500	3.06	3.82
1800	2.55	3.19
2100	2.19	2.41
2400	1.91	2.35

Notes:

- 1) Tables are based on cyclic testing carried out in accordance with NT Specification B1.2.
- 2) Values have been determined by linear interpolation of test results based on fastener load and moment buckling strength.
- 3) Tables include for concentrated loads and maximum allowable deflections as defined in AS4040.1&2:1992.
- 4) Allowable overhang - unstiffened 200 mm / stiffened 300 mm.
- 5) Fasteners to comply with AS 3566 - Class 3.
- 6) For sheeting spans greater than 1500, where access to air handling units is required, the use of access walkways is recommended.
- 7) Information provided in tables applies to both 0.48 & 0.60 BMT sheeting.

ROOF CLADDING - ALLOWABLE SPANS BUILDINGS OF HEIGHT UP TO 5 M.					
Terrain Category	Local Pressure		Type of Span		
	K1	Pz (kPa)	End (mm)	Internal (mm)	
Multiplier					
	Category 1	1.0	2.99	1530	1920
	0.95	1.5	3.78	1210	1520
		2.0	4.57	1000	1250
Category 2	1.0	2.99	1530	1920	
	0.95	1.5	3.78	1210	1520
		2.0	4.57	1000	1250
Category 2.5	1.0	2.54	1810	2200	
	0.95	1.5	3.21	1430	1790
		2.0	3.88	1180	1480
Category 3	1.0	2.12	1900	2200	
	0.80	1.5	2.68	1710	2140
		2.0	3.24	1410	1770

ROOF CLADDING - ALLOWABLE SPANS BUILDINGS OF HEIGHT FROM 5 M TO 10 M.					
Terrain Category	Local Pressure		Type of Span		
	K1	Pz (kPa)	End (mm)	Internal (mm)	
Multiplier					
	Category 1	1.0	3.31	1380	1730
	1.00	1.5	4.19	1090	1370
		2.0	5.07	910	1130
Category 2	1.0	3.31	1380	1730	
	1.00	1.5	4.19	1090	1370
		2.0	5.07	910	1130
Category 2.5	1.0	2.96	1550	1940	
	0.95	1.5	3.74	1230	1530
		2.0	4.53	1010	1270
Category 3	1.0	2.63	1750	2190	
	0.89	1.5	3.32	1380	1730
		2.0	4.01	1140	1430

APPROVED FOR INCLUSION IN THE NT DEEMED TO COMPLY BY BAC

[Signature] DATE 20/8/2001

Manufacturer's Name: General Roofing Products Pty Ltd Address: 1880 Pruen Road, Berrimah, NT 0828 Phone: 08 89471550 Fax: 08 89470418		Fixing of 0.48 & 0.60 BMT Hi-Rib Screw Fixed Roof Cladding in the Darwin Area	
CERTIFIED BY: ENGINEER: <i>[Signature]</i> M.I.E. Aust 18/4/2000		DESIGN DATA SHEET APPROVED: <i>[Signature]</i> 17/4/01 DRAWING NO: M/104/1	