

EZI-BATTEN Pty Ltd

RB SERIES

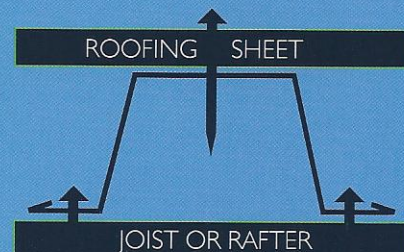
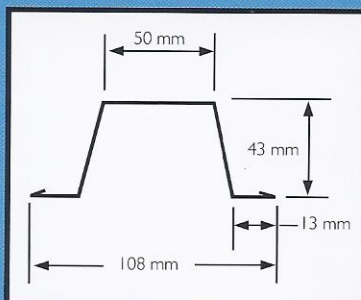
ROOF BATTEN SECTIONS

The Ezi-Batten roof batten has been designed to have a large top surface area to make it an easy target when screwing on roof sheeting. The RB product range has been designed to meet AS 1170-2-2002, AS 1538, AS 1720-1 and AS 4055-2006. The RB 075 has been fully tested by the Cyclone Testing Unit at James Cook

University, Townsville, using the Low High Low Test Regime Test Report No. TS732 as well as by other independent engineers.

The RB Series is manufactured from high tensile steel with a galvanized coating or aluminium and zinc coating to provide an excellent service life.

MATERIAL	G550 Z275 G550 AZ150
WEIGHT	RB 055 RB 075
	0.9 kg per metre 1.1 kg per metre
MATERIAL THICKNESS	RB 055 RB 075
	0.55mm 0.75mm
STOCK LENGTHS	7.5 metres or can be cut to length



ROOF BATTEN SPACING FOR A GIVEN RAFTER SPACING

RB 055 NON-CYCLONIC	WIND RATING	GENERAL ROOF AREA			ROOF EDGES		
		600	900	1200	600	900	1200
TIMBER RAFTERS J2 OR STEEL RAFTERS 1.2 MM MINIMUM	W 33	3265	2176	1632	2090	1393	1045
	W 41	2129	1419	1064	1360	906	680
	W 50	1428	952	714	814	530	457

RB 0.75 CYCLONE RATING

REGION	TERRAIN CATEGORY	WIND SPEED	qu	LOCAL FACTOR K _L	TRUSS SPACING	BATTEN MAX SPACING
C	2 No Shielding	54m/s	2.67 Kpa	1	600	1200
					900	800
					1200	500
				1.5	600	900
					900	400
					1200	400
	3 No Shielding	46m/s	1.94 Kpa	1	600	750
					900	500
					1200	300
				1.5	600	1200
					900	800
					1200	600
3 Partial Shielding	41m/s	1.50 Kpa	1	600	750	
				900	650	
				1200	500	
			1.5	600	1200	
				900	1200	
				1200	1000	
2			1.5	600	1200	
				900	1100	
				1200	750	
			2	600	1350	
				900	900	
				1200	600	

DESIGN ASSUMPTIONS:

- Wind speeds, pressures etc, have been determined in accordance with AS1170.2-2002, SAA Loading Code, Part 2: Wind Loads, and to AS4055-2006, Wind Loads for housing.
- Shielding - No shielding UNO
- Topography - Flat
- Importance level - 2 Annual probability of exceedance 1:500
- Basic Regional Wind Velocity VR = 69m/sec
- Maximum Eave Height - 6.0m
- Maximum Roof Pitch - 35°
- Internal Pressure Coefficient = +0.7 (Region C):

LIMITATIONS:

- Cpe values based on a maximum of 0.9 for span to ht ratios of no more than 0.5
- Average roof height not to be more than 8m for results shown on this page.
- Higher importance buildings such as public assembly and emergency structures are not covered by this specification and shall be referred to the Engineer.
- Results shown are for the batten and its fixing only. Requirements for sheet fixing shall refer to the DTC for that sheeting.

MATERIAL SPECIFICATION:
G550 Z275 or G550 Az150
Base Metal 0.75mm thick
1.1kg/m Mass
7.5m Stock length

FIXING RECOMMENDATIONS:

Timber Rafters	Hardwood	2 x Type 17 No. 14 - 40mm long
	Softwood	2 x Type 17 No. 14 - 50mm long
Steel Rafters	Min 1.5mm thick	2 x No. 14 / 10 20 screws
Sheeting	0.42 BMT	Type 17 No.14 x 50 hex head fasteners

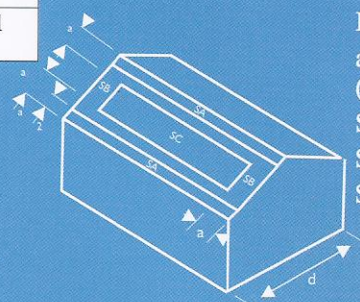
Sheeting profiles to be corrugated or ribbed with crest fixings

Fixing of sheeting to be in accordance with screw manufacturer's specifications for light gauge steel.

Cyclone assemblies for Roof Sheeting are NOT necessary for the results listed on this spec sheet.

Requirements for sheeting fixings shall be referred to the DTC for the sheeting used.

CAUTION - WEAR GLOVES WHEN HANDLING THIS PRODUCT



Pressure Zones
a = MINIMUM of (20% x d OR Bldg Ht)
SA - KL = 2.0
SB - KL = 1.5
SC - KL = 1.0