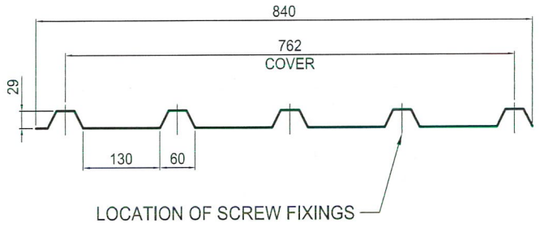
IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.



SCREW FIXINGS TABLE

Timber	14-10x65 Type 17
Timber or steel 0.75 to 1.0mm thick	M6.5-12x55 roof zips
1.2 to 4mm steel	14-10x53 Hex head

METROLL TRIMCLAD ROOF CLADDING - **SERVICEABILITY** LIMIT STATE DESIGN PRESSURE (kPa)

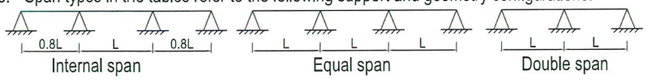
Thickness BMT (mm)	Span Type	Maximum Design Pressure (kPa) for Span L (mm)						
		450	600	900	1200	1500	1800	2100
0.42	Internal	5.08	3.86	2.64	2.03	***1.50***	***1.14***	***0.89***
	Equal	4.63	3.51	2.41	1.85	***1.32***	***1.01***	***0.81***
	Double	3.70	2.85	1.95	1.48	***1.05***	***0.81***	***0.65***
0.48	Internal	7.80	6.01	4.22	3.32	2.33	1.67	***1.20***
	Equal	7.11	5.48	3.85	3.03	2.00	1.44	***1.09***
	Double	5.69	4.50	3.15	2.42	1.60	1.15	***0.87***

METROLL TRIMCLAD ROOF CLADDING - **ULTIMATE** LIMIT STATE DESIGN PRESSURE (kPa)

Thickness BMT (mm)	Cyclone Washer Fitted	Span Type	Maximum Design Pressure (kPa) for Span L (mm)						
			450	600	900	1200	1500	1800	2100
0.42	No	Internal	7.68	5.49	3.29	2.19	***1.75***	***1.46***	***1.25***
		Equal	7.00	4.75	2.83	2.00	***1.59***	***1.33***	***1.14***
		Double	5.60	3.80	2.27	1.60	***1.28***	***1.06***	***0.91***
	Yes	Internal	-	9.87	6.52	4.84	***3.63***	***2.82***	***2.25***
		Equal	-	9.00	5.92	4.41	***3.21***	***2.50***	***2.05***
		Double	-	7.20	4.74	3.53	***2.57***	***2.00***	***1.64***
0.48	No	Internal	9.87	7.31	4.74	3.46	2.71	2.22	***1.86***
		Equal	9.00	6.57	4.26	3.15	2.45	2.01	***1.70***
		Double	7.20	5.26	3.41	2.52	1.96	1.61	***1.36***
	Yes	Internal	-	-	6.81	5.10	4.08	3.40	***2.68***
		Equal	-	-	6.20	4.65	3.72	3.10	***2.44***
		Double	-	-	5.46	4.09	3.28	2.48	***1.95***

NOTES TO TABLES

1. The table values are only valid for use when the supporting steel members are high tensile steel, G450 with thickness greater than or equal to 0.75mm or F17 Hardwood.
2. Roof sheeting shall be crest fixed to supports with Class 4 self drilling screws (complying with the screw fixing table) at every rib in accordance with the manufacturer's recommendations. Length to suit insulation/sarking and 30mm embedment into timber. Cyclone washers, where specified, shall be "Rooflok" .
3. Side lap fasteners are required on all spans greater than 900mm and shall consist of No.8-18 x 12mm screws at midspan.
4. ***Italic & Bold*** denotes spans that exceed foot traffic limitations.
5. Maximum spans to suit foot traffic are 1350mm for 0.42BMT and 1850mm for 0.48BMT provided that the load is applied to the pans only.
6. Span types in the tables refer to the following support and geometry configurations:



Internal span | Equal span | Double span

Where: △ denotes a support location. L=span to be used in conjunction with the table.

1. This table has been prepared by LCJ Engineers Pty Ltd. It is based on the Low-High-Low testing completed by the Cyclone Testing Station (CTS), School of Engineering, James Cook University. The results of the testing are outlined in the testing report TS710, TS747a, TS747b, TS791a and TS936 produced by the CTS. Ultimate cyclic wind load strength tests were NATA accredited tests.
2. Load testing carried out by James Cook University, Cyclone Testing Station, reports No. TS710, TS747a, TS747b, TS791a and TS936 . Product tested to AS 4040.1:1992, AS 4040.3:2018 and Low-High-Low as per Part 3.5.1.0 of the NCC 2019 Building Code of Australia - Volume Two. Tests carried out: cyclonic airbox wind test for strength. Static testing for serviceability.

*Checking Engineers Certification
LCJ Engineers Pty. Ltd.
Name: Daniel Johnstone
Registration No: RPEQ 5892 / NT 58497ES
Date: 08 July 2020
Signature: D Johnstone
*registered as a structural engineer in Australia

*Certifying Engineers Certification
N.T. Consulting Engineers
Name: Michael Cooper
NT Registration No: NT 21133ES
Date: 9 July 2020
Signature: Michael Cooper
*registered as a structural engineer in Northern Territory

Product Name
METROLL TRIMCLAD ROOF CLADDING

Product Description
Metroll Trimclad - is manufactured from G550 colour coated steel or zinc-aluminum alloy coated (AZ150) steel. In some locations galvanised (Z450) may also be available.

Manufacturer's Name
Metroll Queensland Pty. Ltd.
t/as Metroll Darwin
81 Marjorie Street
Pinelands NT 0828
ABN 17 010 035 266

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Design Criteria
1. These tables shall be used in conjunction with wind loads calculated using AS/NZS1170.2:2011 (Incorporating Amendments No's 1, 2, 3, 4 and 5).

Limitations
1. This Deemed to Comply (DTC) sheet is for roof applications only.
2. The values listed in this table are only valid for the Low-High-Low pressure sequence within Part 3.5.1.0 of the NCC 2019 Building Code of Australia - Volume Two.
3. The maximum permissible free edge overhang is: 150mm from screw line.
4. The maximum permissible stiffened edge overhang is: 300mm from screw line.
5. Sheeting span can be limited by maximum batten spacing.
6. It is essential that the relevant deemed to comply information for the batten product is used in conjunction with this sheet.

Accepted for Inclusion

DTCM ref: M/707 Sheet 1 of 1

Chairman's Signature:

Chairman's Name: Paul Nowland

Date of Approval: 18/09/2020 Expiry Date: 18/09/2025