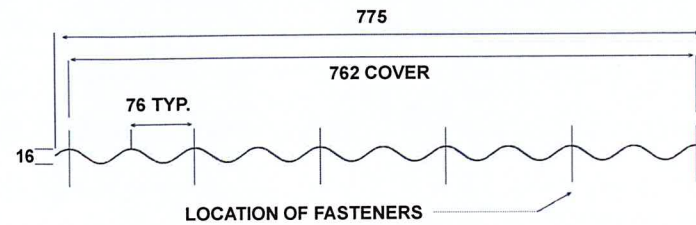


# NORTHERN TERRITORY DEEMED TO COMPLY MANUAL – National Construction Code (NCC) Volume 2

This product has been determined to satisfy NCC Performance Requirement H1P1 for structural resistance of materials and forms of construction in high wind areas



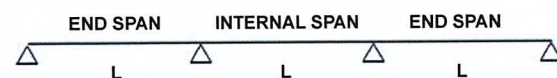
SCREW FIXING TABLE

|                           |                           |
|---------------------------|---------------------------|
| Timber                    | M6.5 - 12 x 55 roof zips* |
| Steel 0.75 to 1.0mm thick | M6.5 - 12 x 55 roof zips* |
| Steel 1.2 to 4mm          | 14 - 10 x 53 Hex Head     |

\* 'Zips' refers to self tapping screws with universal tip.

## NOTES TO TABLE:

- 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.
- Roof sheeting shall be crest fixed to supports with Class 4 self drilling screws (complying with the screw fixing table) at every second 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".
- Side lap fasteners are required on all spans greater than 900mm and shall consist of No.8 - 18 x 12mm screws at midspan.
- Italic & Bold** denotes spans that exceed foot traffic limitations.
- Maximum spans to suit foot traffic are 0.42mm 1200mm internal and 900mm end spans, 0.48mm 1700mm internal and 1300mm end spans, 0.60mm 1800mm internal and 1600mm end spans provided that the load is spread across a minimum of two ribs.
- Span types in the tables refer to the following support and geometry configurations:



Where:  $\Delta$  denotes a support location. L = span to be used in conjunction with the table.  
Equal span systems should be designed using end span values for all spans.

| LIMIT STATE DESIGN WIND PRESSURES (kPa) |                            |           |                        |           |      |      |             |             |             |
|-----------------------------------------|----------------------------|-----------|------------------------|-----------|------|------|-------------|-------------|-------------|
| CORODEK® THICKNESS BMT (mm)             | LIMIT STATE                | SPAN TYPE | SUPPORT THICKNESS (mm) | SPAN (mm) |      |      |             |             |             |
|                                         |                            |           |                        | 450       | 600  | 900  | 1200        | 1500        | 1800        |
| 0.42                                    | SERVICEABILITY             | Internal  | All                    | 7.00      | 7.00 | 4.75 | 3.31        | <b>2.20</b> | <b>1.50</b> |
|                                         |                            | End       | All                    | 6.41      | 6.41 | 4.28 | <b>2.61</b> | <b>1.55</b> | <b>0.95</b> |
|                                         | STRENGTH NO CYCLONE CAPS   | Internal  | 1.0                    | 8.21      | 5.98 | 3.75 | 2.63        | <b>2.04</b> | <b>1.65</b> |
|                                         |                            |           | 0.75                   | 8.21      | 5.98 | 3.75 | <b>2.63</b> | <b>2.04</b> | <b>1.65</b> |
|                                         |                            | End       | 1.0                    | 7.48      | 5.29 | 3.31 | 2.40        | <b>1.85</b> | <b>1.50</b> |
|                                         |                            |           | 0.75                   | 7.48      | 5.29 | 3.31 | <b>2.40</b> | <b>1.85</b> | <b>1.50</b> |
|                                         | STRENGTH WITH CYCLONE CAPS | Internal  | 1.0                    | 9.81      | 9.81 | 6.72 | 5.18        | <b>3.62</b> | <b>2.59</b> |
|                                         |                            |           | 0.75                   | 9.81      | 9.81 | 6.72 | <b>5.18</b> | <b>3.62</b> | <b>2.59</b> |
|                                         |                            | End       | 1.0                    | 8.94      | 8.94 | 6.13 | 4.69        | <b>3.21</b> | <b>2.36</b> |
|                                         |                            |           | 0.75                   | 8.94      | 8.94 | 6.13 | <b>4.69</b> | <b>3.21</b> | <b>2.36</b> |
| 0.48                                    | SERVICEABILITY             | Internal  | All                    | 7.13      | 7.13 | 4.75 | 3.56        | <b>2.85</b> | <b>1.93</b> |
|                                         |                            | End       | All                    | 6.41      | 6.41 | 4.28 | <b>2.91</b> | <b>1.88</b> | <b>1.29</b> |
|                                         | STRENGTH NO CYCLONE CAPS   | Internal  | 1.0                    | 10.06     | 7.79 | 5.52 | 4.39        | <b>3.47</b> | <b>2.85</b> |
|                                         |                            |           | 0.75                   | 10.06     | 7.79 | 5.52 | <b>4.39</b> | <b>3.47</b> | <b>2.85</b> |
|                                         |                            | End       | 1.0                    | 9.17      | 7.10 | 5.03 | 4.00        | <b>3.15</b> | <b>2.60</b> |
|                                         |                            |           | 0.75                   | 9.17      | 7.10 | 5.03 | <b>4.00</b> | <b>3.15</b> | <b>2.60</b> |
|                                         | STRENGTH WITH CYCLONE CAPS | Internal  | 1.0                    | 8.36      | 8.36 | 8.04 | 6.03        | <b>4.49</b> | <b>3.46</b> |
|                                         |                            |           | 0.75                   | 8.36      | 8.36 | 7.31 | <b>5.48</b> | <b>4.39</b> | <b>3.46</b> |
|                                         |                            | End       | 1.0                    | 7.57      | 7.57 | 7.24 | 5.43        | <b>4.03</b> | <b>3.16</b> |
|                                         |                            |           | 0.75                   | 7.57      | 7.57 | 6.58 | <b>4.93</b> | <b>3.95</b> | <b>3.16</b> |
| 0.60                                    | SERVICEABILITY             | Internal  | All                    | 9.69      | 9.69 | 8.28 | 4.80        | 2.60        | 1.54        |
|                                         |                            | End       | All                    | 9.69      | 9.69 | 6.43 | 3.87        | 2.19        | <b>1.29</b> |
|                                         | STRENGTH NO CYCLONE CAPS   | Internal  | 1.0                    | 9.87      | 7.50 | 5.13 | 3.95        | 3.42        | 3.07        |
|                                         |                            |           | 0.75                   | 9.87      | 7.50 | 5.13 | 3.95        | 3.42        | <b>3.07</b> |
|                                         |                            | End       | 1.0                    | 9.00      | 6.84 | 4.68 | 3.60        | 3.12        | 2.80        |
|                                         |                            |           | 0.75                   | 9.00      | 6.84 | 4.68 | 3.60        | 3.12        | <b>2.80</b> |
|                                         | STRENGTH WITH CYCLONE CAPS | Internal  | 1.0                    | 8.51      | 8.51 | 8.41 | 6.30        | 4.87        | 3.73        |
|                                         |                            |           | 0.75                   | 8.51      | 8.51 | 7.31 | 5.48        | 4.39        | <b>3.65</b> |
|                                         |                            | End       | 1.0                    | 7.76      | 7.76 | 7.57 | 5.67        | 4.37        | 3.40        |
|                                         |                            |           | 0.75                   | 7.76      | 7.76 | 6.58 | 4.93        | 3.95        | <b>3.29</b> |

Product Name

METROLL CORODEK ROOF CLADDING

## Product Description

Metroll Corodek - At 0.42 BMT & 0.48 BMT is manufactured from G550 colour coated steel or Zinalume coated steel (AM125). At 0.60 BMT Corodek is manufactured from G300 colour coated steel or Zinalume coated steel (AM125). In some locations galvanised (Z450) may also be available.

## Manufacturer's Details

Metroll Queensland Pty. Ltd. t/as Metroll Darwin  
81 Marjorie Street, Pinelands NT 0828  
ABN 17 010 035 266



## Design Criteria

These tables shall be used in conjunction with wind loads calculated using AS/NZS 1170.2.2021.

## Limitations

- This Deemed to Comply (DTC) sheet is for roof applications only.
- The values listed in this table are only valid for the Low-High-Low pressure sequence within Part H1D7 of the NCC 2022 Building Code of Australia - Volume Two.
- The maximum permissible free edge overhang is: 200mm for 0.42mm, 250mm for 0.48mm and 200mm for 0.60mm materials.
- The maximum permissible stiffened edge overhang is: 250mm for 0.42mm, 250mm for 0.48mm and 250mm for 0.60mm materials from the screw line.
- Sheeting span can be limited by maximum batten spacing.
- It is essential that the relevant deemed to comply information for the batten product is used in conjunction with this sheet.

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/483/01-01

Chairperson Signature:

Chairperson Name: Elisha Harris

Date of Approval: 11/06/2026 Expiry Date: 11/06/2031

Notes covering basis of DTC (Relevant test reports etc)

This table has been produced by Ask Johnny Mac. It is based on the low-high-low testing completed at the cyclone testing station, James Cook University. The results of these tests are outlined in the test reports 710, 738, 767 and 936 produced by the CTS. Ultimate cyclic wind load strength tests were NATA accredited tests. Additionally, test 1337 covers impact testing for roofs less than 30 degree pitch in Region C.

All product tested to AS 4040.1:1992, AS 4040.3:2018 and Low-High-Low to Part H1D7 of the NCC Building Code of Australia – Volume two. Tests carried out on the cyclonic air box rig for strength wind resistance. Serviceability values taken from the Metroll Technical Manual derived from static testing.

## \*Checking Engineers Certification:

Tenstatik  
NAME: Stefan Tschirren  
REGISTRATION No: RPEQ 19279  
DATE: 29/05/2026  
SIGNATURE:

## \*Certifying Engineers Certification:

Northern Consulting Engineers  
NAME: Timothy R Messer  
REGISTRATION No: NT 116373ES  
DATE: 29/05/2026  
SIGNATURE:

Digitally signed by Timothy R Messer  
DN: cn=Timothy R Messer, o=Northern Consulting Engineers, email=tim.messer@nceng.com.au  
Date: 2026.06.02 12:23:52 +10'00'