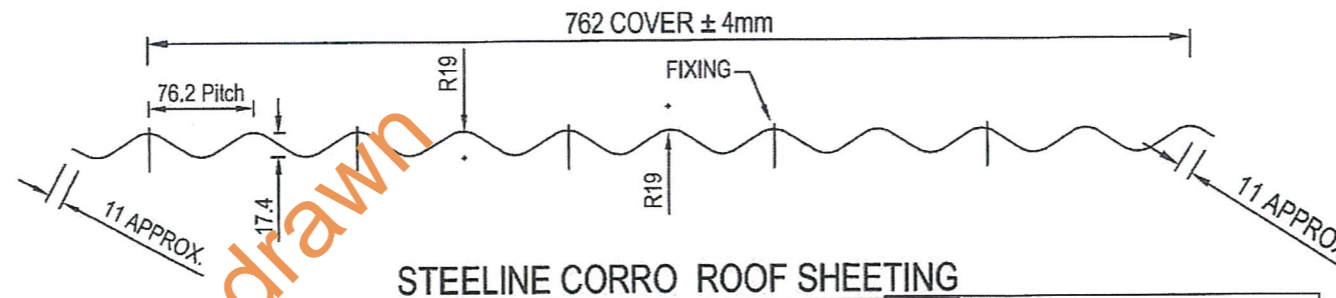


IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1). THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA

**MINIMUM FIXING REQUIREMENTS**

| Fixing              | No of Fixing | Cyclone Cap | Batten       |
|---------------------|--------------|-------------|--------------|
| 14g x 50 Type 17    | 5            | CorriLok    | Timber       |
| 14-10 x 50 Hex Head | 5            | CorriLok    | 1.5mm Steel  |
| 16-55 x 47mm Tek    | 5            | CorriLok    | 0.75mm Steel |
| M6 x 50 Roof Zips   | 5            | CorriLok    | 0.75mm Steel |

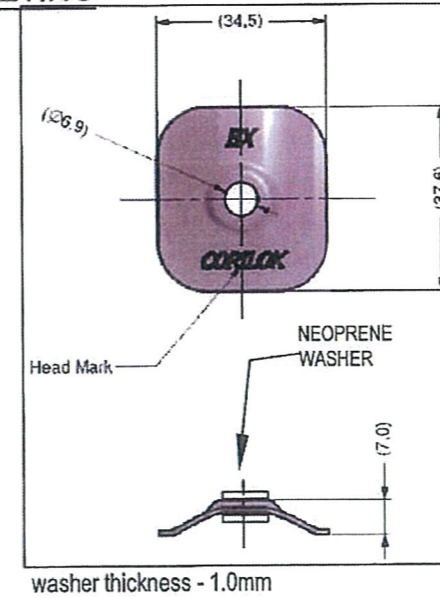
Cyclone cap shall be used where applicable in the tables.  
 Timber shall be structural grade MGP12 or stronger  
 All fixings shall have Class 4 protection finish



**STEELINE CORRO ROOF SHEETING**

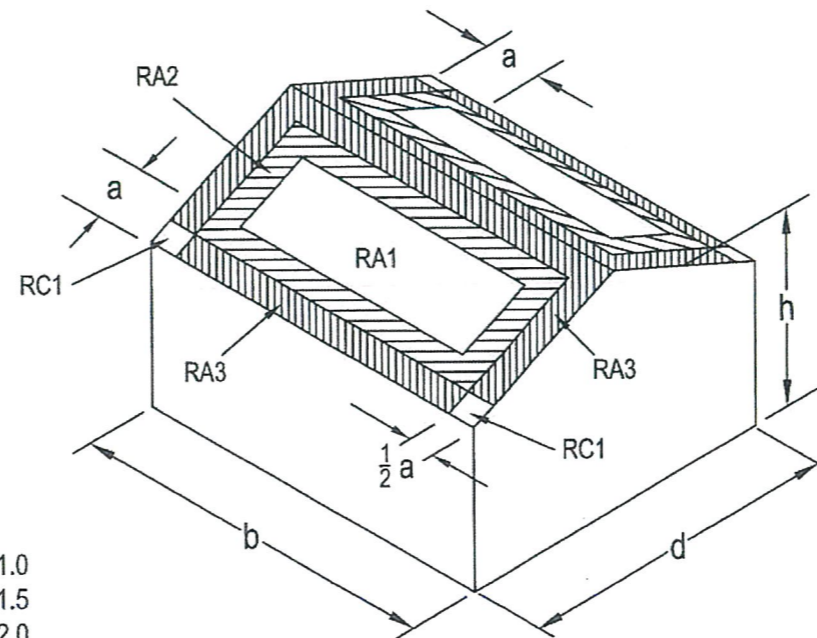
**MATERIAL SPECIFICATION**

| METAL TYPE   | THICKNESS  | GRADE   | FINISH                | COVER     |
|--------------|------------|---------|-----------------------|-----------|
| AS1397-1984  | 0.42mm BMT | 550 MPa | ZINCALUME & COLORBOND | 762mm ± 4 |
| G550 / AZ150 | 0.48mm BMT | 550 MPa | ZINCALUME & COLORBOND |           |



**Allowable Spans for 0.42 & 0.48mm Sheetings**

| Vsit, β (m/s) | qu (KPa) | K <sub>L</sub> Local Factor | Pe (KPa) | Allowable Spans        |                 |
|---------------|----------|-----------------------------|----------|------------------------|-----------------|
|               |          |                             |          | Squarelok Cyclone Caps | No Cyclone Caps |
| 76            | 3.47     | 1.0                         | 5.14     | 910                    | 660             |
|               |          | 1.5                         | 7.10     | 710                    | 510             |
|               |          | 2.0                         | 9.66     | 580                    | 420             |
|               |          | 3.0                         | 11.78    | 420                    | 310             |
| 70            | 2.94     | 1.0                         | 4.70     | 1010                   | 780             |
|               |          | 1.5                         | 6.03     | 840                    | 610             |
|               |          | 2.0                         | 7.35     | 690                    | 500             |
|               |          | 3.0                         | 10.00    | 500                    | 360             |
| 66            | 2.61     | 1.0                         | 4.18     | 1080                   | 880             |
|               |          | 1.5                         | 5.37     | 940                    | 680             |
|               |          | 2.0                         | 6.53     | 770                    | 560             |
|               |          | 3.0                         | 8.89     | 570                    | 410             |
| 61            | 2.23     | 1.0                         | 3.57     | 1160                   | 1030            |
|               |          | 1.5                         | 4.58     | 1030                   | 800             |
|               |          | 2.0                         | 5.58     | 910                    | 660             |
|               |          | 3.0                         | 7.59     | 660                    | 480             |
| 56            | 1.88     | 1.0                         | 3.01     | 1200                   | 1200            |
|               |          | 1.5                         | 3.86     | 1120                   | 950             |
|               |          | 2.0                         | 4.70     | 1010                   | 780             |
|               |          | 3.0                         | 6.40     | 790                    | 570             |
| 50            | 1.50     | 1.0                         | 2.40     | 1300                   | 1300            |
|               |          | 1.5                         | 3.08     | 1200                   | 1200            |
|               |          | 2.0                         | 3.75     | 1140                   | 980             |
|               |          | 3.0                         | 5.10     | 970                    | 720             |



RA1 - KL = 1.0  
 RA2 - KL = 1.5  
 RA3 - KL = 2.0  
 RC1 - KL = 3.0 for Roof pitch < 10°  
 RC1 - KL = 2.0 for 10° and greater

**ROOF - LOCAL PRESSURE ZONES**  
 NOTE - "a" = THE LESSOR OF 0.2b, 0.2d & h

Product Name  
**Steeline Corrogate Sheeting for Roofs**

Product Description  
**Corrogate Screw Fixed Roof Sheeting**

Manufacturer's Name  
**GENERAL ROOFING PRODUCTS PTY LTD**  
 24 Pruen Road, Berrimah, NT, 0828

**DESIGN CRITERIA**

- Wind speeds, pressures shall be determined in accordance with AS/NZ1170.2-2011, SAA Loading Code, Part 2:Wind Loads,
- Internal Pressure Coefficient C<sub>pi</sub> = +0.7 and -0.65
- C<sub>pe</sub> = 0.9 for h/d ratios ≤ 0.5
- Pe = qu x (C<sub>pe</sub> x K<sub>L</sub> + C<sub>pi</sub>)
- "a" = Minimum of 0.2\*d or 0.2\*b or h
- Tabled span limits are provided for fixing to 1.5mm purlins and 0.75mm tophat battens
- Drainage requirements shall be checked separately
- Tables give sheeting span limits only. Designers shall also check the allowable spacing of the purlin/batten.
- Installation requires that conventional edge flashing be installed over edge sheets

**Limitations**

- Limited to h/d not greater than 0.5 in tabled spacings.
- M<sub>t</sub> = M<sub>d</sub> = 1.0
- Maximum unsupported overhang - 150mm
- For roof pitch < 10° note RC1 zone local factor in roof corners
- For h/d > 0.5 where C<sub>pe</sub> > 0.9, refer to site specific engineer certification with adjusted Pe calculation.
- Minimum continuous 3 span installation of sheeting.

**Accepted for Inclusion**

DTCM ref: *m/195*

Chairman's Signature: *[Signature]*

Chairman's Name: *STEVEN J EHRLICH*

Date of Approval: *28.8.14* Expiry Date: *28-8-19*

Notes covering basis of DTC (relevant test reports etc)

Test Report - The above specification is based on testing by ENGTEST The University of Adelaide Australia. Report No C081001-01, C081001-02, C081001-03, C081001-04, C081001-05, C081001-06, C081001-07, C081001-08, C081001-09 AND Blanmore Test Report No 107, 131 and 132

**Checking Engineers Certification**

Name: Phil Low  
 RPEQ No: 6307  
 Date: 24 Sept 2013  
 Signature: *[Signature]*

**\*\*Certifying Engineers Certification**

Name: John L Towler  
 NT Rego Number: 24642ES  
 Date: 24 Sept 2013  
 Signature: *[Signature]*

\*\*registered as a structural engineer in Northern Territory