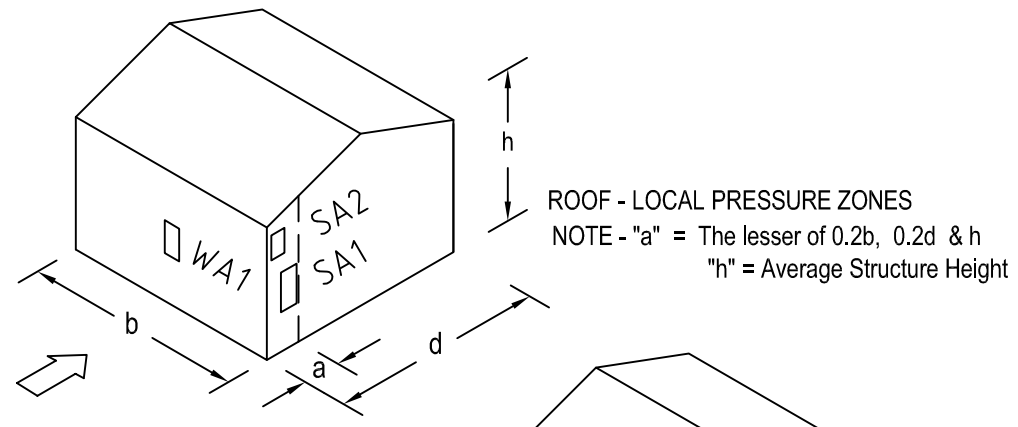
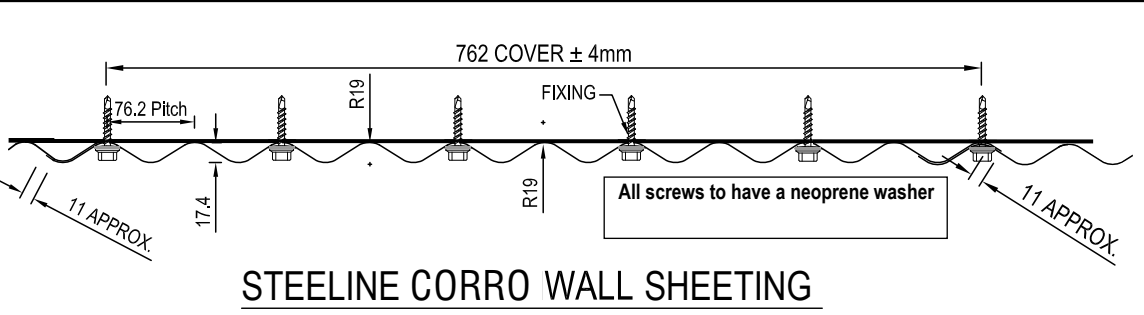


IN ACCORDANCE WITH NCC VOLUME 2 ( SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA



**MATERIAL SPECIFICATION**

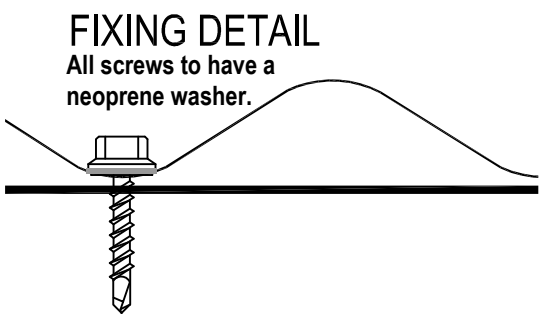
METAL TYPE	THICKNESS	GRADE	FINISH	COVER
AS1397-1984	0.42mm BMT	550 MPa	ZINCALUME &	762mm + - 4
G550 / AZ150	0.48mm BMT	550 MPa	COLORBOND	

**MAX. ALLOWABLE WALL SHEETING SPANS FOR IMPORTANCE LEVEL 2 BUILDINGS**

Vsit	qu	Cpe	Cpi	Kc,e = Kc,i	KL Local Factor	Cfig	Design pressure $P_e = q_u \times (C_{pe} \times K_L \times K_{c,e} + C_{pi})$	Maximum Allowable span (mm)	
								(kPa)	(mm)
76	3.47	All other Areas	0.70	0.65	0.90	1	1.22	4.21	1090
		WA1	0.70	0.65	0.90	1.5	1.53	5.30	910
		SA1	0.65	0.70	0.90	1.5	1.51	5.22	930
		SA2	0.65	0.70	0.90	2	1.80	6.24	780
70	2.94	All other Areas	0.70	0.65	0.90	1	1.22	3.57	1160
		WA1	0.70	0.65	0.90	1.5	1.53	4.50	1060
		SA1	0.65	0.70	0.90	1.5	1.51	4.43	1070
		SA2	0.65	0.70	0.90	2	1.80	5.29	920
66	2.61	All other Areas	0.70	0.65	0.90	1	1.22	3.18	1200
		WA1	0.70	0.65	0.90	1.5	1.53	4.00	1115
		SA1	0.65	0.70	0.90	1.5	1.51	3.94	1120
		SA2	0.65	0.70	0.90	2	1.80	4.70	1030
63	2.38	All other Areas	0.70	0.65	0.90	1	1.22	2.89	1240
		WA1	0.70	0.65	0.90	1.5	1.53	3.64	1150
		SA1	0.65	0.70	0.90	1.5	1.51	3.59	1155
		SA2	0.65	0.70	0.90	2	1.80	4.29	1080
61	2.23	All other Areas	0.70	0.65	0.90	1	1.22	2.71	1270
		WA1	0.70	0.65	0.90	1.5	1.53	3.42	1175
		SA1	0.65	0.70	0.90	1.5	1.51	3.37	1180
		SA2	0.65	0.70	0.90	2	1.80	4.02	1115
56	1.88	All other Areas	0.70	0.65	0.90	1	1.22	2.29	1340
		WA1	0.70	0.65	0.90	1.5	1.53	2.88	1240
		SA1	0.65	0.70	0.90	1.5	1.51	2.84	1250
		SA2	0.65	0.70	0.90	2	1.80	3.39	1175
50	1.50	All other Areas	0.70	0.65	0.90	1	1.22	1.82	1440
		WA1	0.70	0.65	0.90	1.5	1.53	2.30	1340
		SA1	0.65	0.70	0.90	1.5	1.51	2.26	1345
		SA2	0.65	0.70	0.90	2	1.80	2.70	1270
45	1.22	All other Areas	0.70	0.65	0.90	1	1.22	1.48	1545
		WA1	0.70	0.65	0.90	1.5	1.53	1.86	1430
		SA1	0.65	0.70	0.90	1.5	1.51	1.83	1440
		SA2	0.65	0.70	0.90	2	1.80	2.19	1360

Span (mm)	No of fixing per sheet	Recommended Ultimate Limit State Capacity (kPa)
Four spans of 900	5	5.64

SA1 - KL = 1.5 - Side walls near windward wall edges within "a" of the edge  
 SA2 - KL = 2.0 - Side walls near windward wall edges within "a"/2 of the edge  
 WA1 - KL = 1.5 - Windward wall anywhere



**MINIMUM FIXING REQUIREMENTS**

Buildex Fixings	No of Fixing	Batten
14g -10 x 50 mm Type 17 Screw	5	Timber
14g -10 x 25 mm Hex Head Tek	5	1.5 mm BMT Steel
15g -15 x 25 mm Batten Tek	5	TH 40 x 0.75 mm BMT Steel
M6 - 11 x 25 mm Roof Zips	5	TH 40 x 0.75 mm BMT Steel

Timber shall be Structural grade MGP12 or stronger  
 Steel shall be a minimum thickness of 0.75 mm G550 or 1.5 mm G450.  
 All fixings shall have Class 4 protection finish.  
 Screws to comply to AS3566.1 - 2002: Self - drilling screws for the building and construction industries - General requirements and mechanical properties.

Product Name  
**Steeline Corro Sheeting for Walls**

Product Description  
**Screw Fixed Corrugated Wall 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/NZS1170.2-2011 Amendments 1 to 4, Structural Design Actions - Wind Actions,
  - Basic Regional Wind Velocity VR = 69m/sec (R=500)
  - Internal Pressure Coefficient Cpi = +0.7, -0.65
  - Cpe = +0.7, -0.65
  - Pe = qu x (Cpe x KL x Kc,e + Cpi x Kc,i)
  - Kc,e = Kc,i = 0.9
  - "a" = Minimum of 0.2\*d or 0.2\*b or h

- Limitations**
- Cpe values based on a maximum of 0.7 for building height, h <= 25 m.
  - Where Cpe = 0.8 refer to site specific engineer certification with adjusted Pe calculation.
  - Not for supporting liquid loads or heavy lateral loads.
  - All fixings shall be class 4 finish.
  - Span tables are suitable for minimum 3 spans installation of sheeting.
  - Maximum overhang - 200 mm
  - Mt = Ms = Md = 1.0
  - Maintain a minimum of 3 screw threads protruding on the far side for steel support and minimum 30 mm embedment depth into timber support.

**Accepted for Inclusion**

DTCM ref: M/738

Notes  
 Test Report - The above specification is based on testing by ENGTEST The University of Adelaide Australia. Report No C081001-06, C081001-07, C081001-08, C081001-09 Dated 7 of April 2009  
 Blanmore Noosaville Test Report No 107 dated 31 August 2011, 131 and 132 Dated 20 March 2013. Structural Engineering Consultants Darwin (SECA) 19303T dated 30 October 2020.

**\*\*Checking Engineers Certification**  
 Name: John Towler  
 NT Rego Number: 24642ES  
 Date: 04-11-2020  
 Signature: *John Towler*  
 \*\*registered as a structural engineer in Northern Territory

**\*\*Certifying Engineers Certification**  
 Name: Wisnu Lim  
 NT Rego Number: 145651ES  
 Date: 04-11-2020  
 Signature: *Wisnu Lim*  
 \*\*registered as a structural engineer in Northern Territory

Chairman's Signature: *Paul Nowland*

Chairman's Name: Paul Nowland

Date of Approval: 2/12/2020      Expiry Date: 2/12/2025