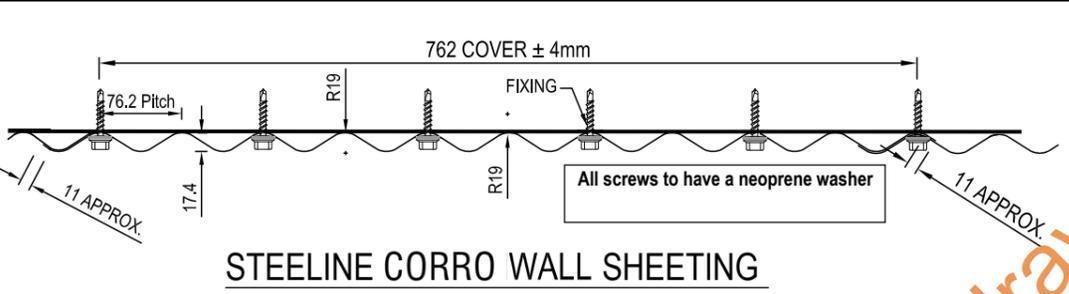


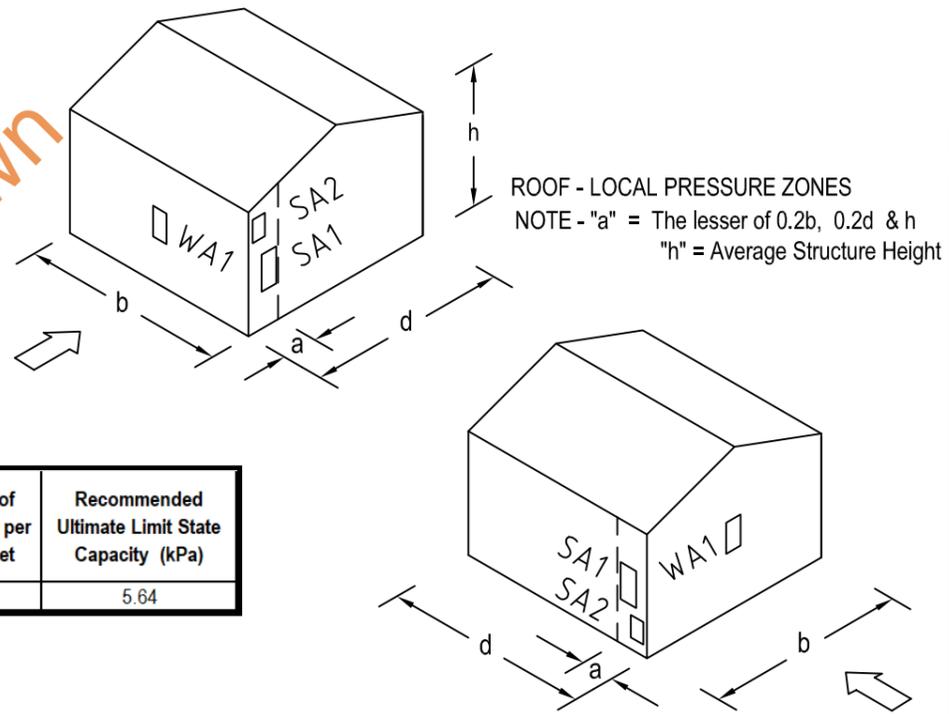
IN ACCORDANCE WITH NCC VOLUME 2 ( SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA



**STEELINE CORRO WALL SHEETING**

**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	

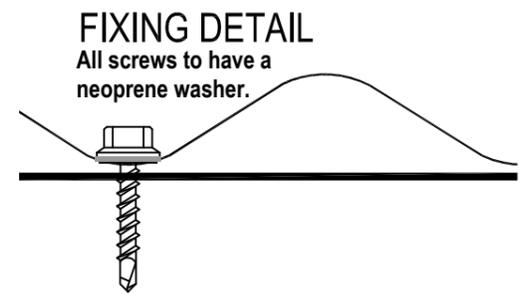


**MAX. ALLOWABLE WALL SHEETING SPANS FOR IMPORTANCE LEVEL 2 BUILDINGS**

Vsit (m/s)	qu (kPa)	Cpe	Cpi	Kc,e = (Cpe x KL x Kc,i + Cpi x Kc,i)	KL	Cfig	Design pressure (kPa)	Maximum Allowable span (mm)
								Three or more spans
76	3.47	0.70	0.65	0.90	1.5	1.22	4.21	1090
								910
								930
								780
70	2.94	0.70	0.65	0.90	1.5	1.22	3.57	1100
								1060
								1070
								920
66	2.61	0.70	0.65	0.90	1.5	1.22	4.01	1200
								1115
								1120
								1030
63	2.38	0.70	0.65	0.90	1.5	1.22	2.89	1240
								1150
								1155
								1080
61	2.23	0.70	0.65	0.90	1.5	1.22	2.71	1270
								1175
								1180
								1115
56	1.88	0.70	0.65	0.90	1.5	1.22	2.29	1340
								1240
								1250
								1175
50	1.50	0.70	0.65	0.90	1.5	1.22	1.82	1440
								1340
								1345
								1270
45	1.22	0.70	0.65	0.90	1.5	1.22	1.48	1545
								1430
								1440
								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