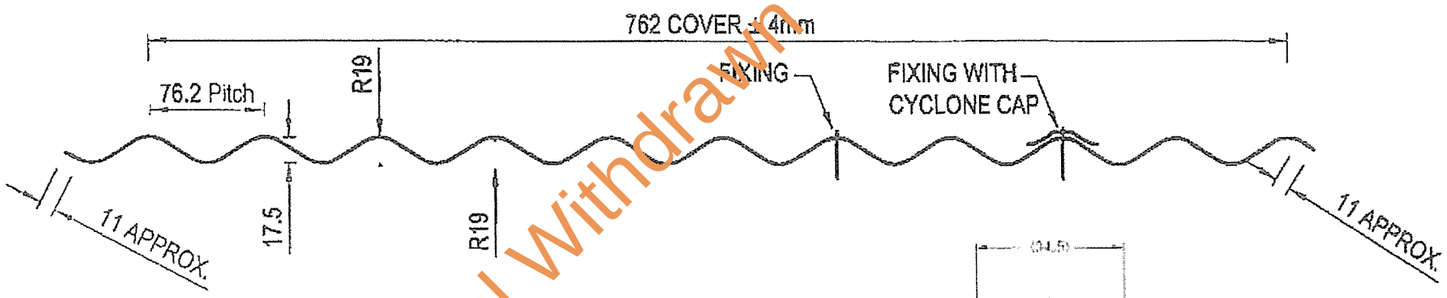
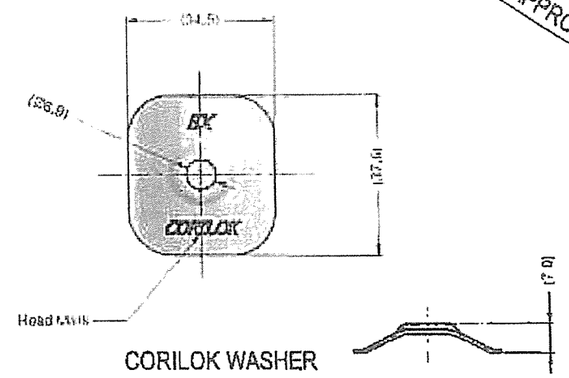


STEELINE CORRUGATE SHEETING

MATERIAL SPECIFICATION

METAL TYPE	THICKNESS	GRADE	FINISH
STEEL ASTM A653 OR EQUIVALENT	0.42BMT	550 MPa	ZINCALUME, PREPAINTED, COATED
	0.48BMT	550 MPa	
	0.60BMT	550 MPa	



CORILOK WASHER

FIXING RECOMMENDATIONS

Fixing	No of Fixing	Cyclone Cap	Batten
14-10 x 50 Type 17	5	Nil	Timber
Roof Zips M6x50	5	Nil	Steel
14-10 x 42 Tek	5	Nil	Steel
14-10 x 50 Tek	5	Nil	Steel
14-10 x 50 Type 17	5	Corilok	Timber
15-15 x 47 Batten Tek	5	Corilok	Steel
Roof Zips M6x50	5	Corilok	Steel
14-10 x 42 Tek	5	Corilok	Steel
14-10 x 50 Tek	5	Corilok	Steel

Timber shall be Structural grade MGP12 or stronger

Steel shall mean a minimum thickness of 0.75mm G550 or 1.0mm at G500 and G450 for thicker steel.

Insulation - When fixing over insulation to battens add 10mm to screw length.

Max Allowable Roof Sheeting Spans for Steeline Corrugate 0.42

Region	Terrain Category	Site Wind Speed "Vsit,β"	pu	Local Factor K_L	Fixing	Allowable Span	Maximum Overhang
C	2 No Shielding	67m/s	2.67 KPa	1	No Cyc Caps	900	100
					With Cyc Caps	900	100
				1.5	No Cyc Caps	750	100
					With Cyc Caps	900	100
				2	No Cyc Caps	600	100
					With Cyc Caps	750	100
	3 No Shielding	57m/s	1.94 KPa	1	No Cyc Caps	900	100
					With Cyc Caps	900	100
				1.5	No Cyc Caps	900	100
					With Cyc Caps	900	100
				2	No Cyc Caps	750	100
					With Cyc Caps	900	100
	3 Partial Shielding	50m/s	1.50 KPa	1	No Cyc Caps	900	100
					With Cyc Caps	900	100
				1.5	No Cyc Caps	900	100
					With Cyc Caps	900	100
				2	No Cyc Caps	900	100
					With Cyc Caps	900	100

Insert—Notes covering basis of DTC (Relevant test reports etc)

Test Report - The above specification is based on LHL testing Report No

C081001-1, C081001-2, C081001-3, C081001-4, C081001-5, C081001-6, C081001-7, C081001-8, C081001-9, C081001-14 by the University of Adelaide.

ISSUE	DATE	INITIALS
B	12/06/2009	KRB
A	22/04/2009	KRB

**Design Engineers Certification

Name: Phil Low
RPEQ No 8307
Date: 12 JUNE 2009
Signature:
**registered as a structural engineer in Queensland

**Certifying Engineers Certification

Name: John L Towler
NT Rego Number 246426B
Date: 12 JUNE 2009
Signature:
**registered as a structural engineer in Northern Territory

Product Name

Steeline Corrugate 762

Product Description

Corrugated Sheeting

Manufacturer's Name

GRP GENERAL ROOFING PRODUCTS PTY LTD

DESIGN CRITERIA

- Wind speeds, pressures etc, have been determined in accordance with AS1170.2-2002, SAA Loading Code, Part 2:Wind Loads, Wind Loads for housing.
- Shielding - Refer Tables
- Topography - Flat
- Importance level - 2 Annual probability of exceedance 1:500
- Basic Regional Wind Velocity V_R = 69m/sec
- Internal Pressure Coefficient = +0.7, -0.65

Limitations

- Cpe values based on a maximum of 0.9 for span to height ratios ≤ 0.5
- Maximum roof height not to be more than 8.5m for results shown on this page.
- Minimum Roof Pitch - 2° Roof Length <15m
  3° Roof Length >15m
  5° Lapped Roof
- Maximum Roof Pitch - 35°
- Batten support to be certified separately to this data sheet.

Accepted for Inclusion

DTCM ref: M/145/01

Chairman's Signature: P. Russell

Chairman's Name: PETER RUSSELL

Date of Approval: 9/7/09 Expiry Date: 9/7/12

30/7/13

New Expiry Date 30/1/14
Signature