Revolution Roofing

STEEL YOURSELF

MAXLINE

REVSPEC

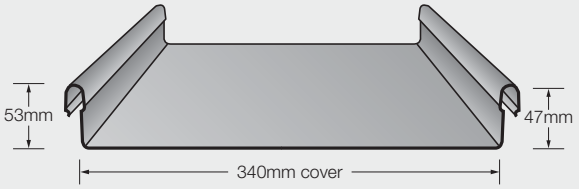
REVSPEC

V14.0

Maxline

OVERVIEW

Minimum Roof Pitch	1 Degree
Maximum Sheet Length	20 Metres
Spring Curving	N/A
Mechanical Curving	N/A
Watertight Guarantee	20 Years



PROFILE AVAILABLE

NSW	NT	QLD	TAS	SA	VIC	WA	CYCLONIC
✓	✓	✓	✓	✓	✓	✓	

AVAILABLE FINISHES

RevZinc AM125	HERITAGE GALVANISED	NEXTEEL	MATT FINISH	NextREME	METALLIC	ALUMINIUM	CORTEN	COPPER	STAINLESS STEEL
✓		✓	✓	✓	✓	✓			

GAUGES AVAILABLE

STEEL						ALUMINIUM	
0.32	**0.35**	**0.42**	**0.48**	**0.55**	**0.60**	**0.70**	**0.80**
				✓	✓	✓	✓

SPAN TABLE NON-CYCLONIC ROOF SHEETING

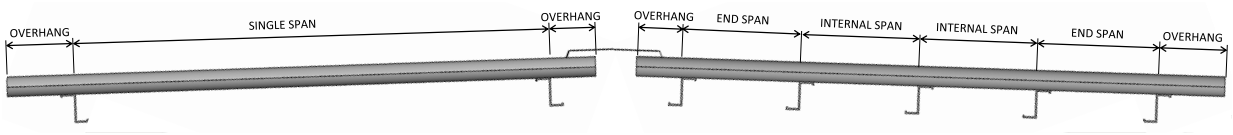
ROOF SPAN	0.55 BMT	0.60 BMT
Single Span	1100	1100
End Span	1100	1100
Internal Span	1500	1500
Unstiffened Overhang	250	250
Stiffened Overhang	250	250

SPAN TABLE NON-CYCLONIC WALL CLADDING

WALL SPAN	0.55 BMT	0.60 BMT
End Span	1200	1200
Internal Span	1800	1800
Unsupported Cantileaver	450	450

** Rivet required, securing the overlap, 50mm from the end of the sheet*

SPAN DEFINITIONS



MAXLINE

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Suggested Maxline 340 Non Cyclonic Pierce Fixing				
TYPE	Fixing To Steel (Up to 1.9mm)	Fixing To Steel (2.0mm - 3.5mm)	Fixing to Metal Battens (0.55 - 1.0mm)	Fixing to Timber Softwood
Concealed Clip Fixed	M6-11 x 25mm Hex Head	Self Drilling 12 x 35mm Hex Head HiGrip w/- Seal	M6-11x25mm or 10-16 x 16mm Metal Teks Hexagon Head with Seal	M6-11 x 25mm hexagon head with seal or T17 x 25mm Hex Head

NOTE: *After exposure of cladding to an extreme wind event, it is recommended that inspection be performed to confirm cladding integrity.*

INSULATION

Roof Blanket with a thickness up to 55mm can be installed under Maxline 340, insulation thicker than 55mm can cause the flat pan of the Maxline 340 to distort.

Note- when using as a Wall Cladding blanket insulation should not be installed behind the Maxline 340 as it will cause the flat pan of the Maxline 340 to bulge.

MASSES

Nexteel™

	0.60 BMT
kg/lm	2.39
kg/m2	7.03

RevZinc AM125

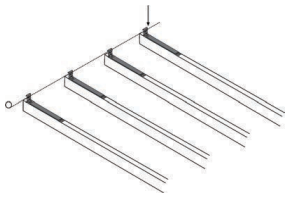
	0.55 BMT
kg/lm	2.14
kg/m2	6.29

Aluminium

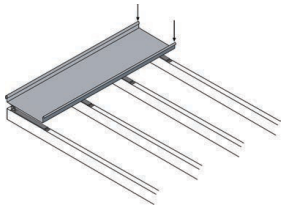
	0.80 BMT
kg/lm	1.05
kg/m2	3.09

INSTALLATION INSTRUCTIONS

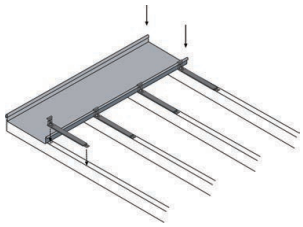
Revolution Roofing recommend installing a waterproof, breathable, vapour membrane between the cladding and the support. This will offer a second line of defence against moisture ingress.



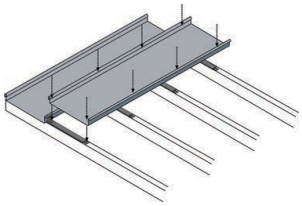
1. Using the recommended fasteners, fix the first clip, with the arrow of the clip pointing towards the area to be laid at a 90 degree angle to the gutter in a straight line. Please endeavour to ensure the overlaps face away from the wind.



2. Fix first sheet to clips using downward pressure ensuring deck is properly engaged to clip. Check there is adequate overhang of the sheet into the eaves line.



3. Position the strap of the next clip over the top of the male rib the fix to previous clip using the locating tab. Proceed with next Maxline sheet by engaging the female rib into the male rib with the strap of the clip in between.



4. Continue fixing clips for deck in same manner, check periodically with a string line that the deck is properly aligned.

For specific installation instructions and manufacturers recommendation regarding Maxline visit https://revolutionroofing.com.au/products/maxline/

Maxline

NON-CYCLONIC SERVICEABILITY AND STRENGTH

Non-Cyclonic Maxline 340 0.55 BMT Wind Load Reistance (kPa) - Limit Slate Design					
Span (mm)	End Span		Span (mm)	Internal Span	
	Serviceability (kPa)	**Strength** (kPa)		**Serviceability** (kPa)	**Strength** (kPa)
600	1.28	3.98	600	1.73	4.78
900	1.21	3.50	900	1.60	3.92
1200*	1.21	3.17	1200*	1.48	3.24
1500*	1.17	2.88	1500*	1.39	2.79
1800*	1.13	2.63	1800*	1.27	2.55
2100	1.08	2.29	2100	0.78	1.83

DESIGN PARAMETERS

Region	**A**
Terrain Category	**2**
Height	10 metre
Vz	45 m/sec
Q*u,s	0.83 kPa
Cpe	-0.7 / -0.65
Cpi	-0.2 / +0.2

INTERNAL Bay	END Bay
K_1 = 1.0	K_1 = 2.0
∑C = -0.85	∑C = -1.50
	Pu = 1.82 kPa
	Ps = 0.74 kPa

TESTS CARRIED OUT IN ACCORDANCE WITH:

AS 1562.1:2018 Design and Installation of Sheet Roof and Wall Cladding - Metal

AS 4040:1992 Methods of Testing Sheet roof and wall cladding

TESTING STATIONS USED TO CONDUCT TESTING:

James Cook University

University of South Australia

STANDARD SPECIFICATION

RevZinc AM125

Steel base thickness with an aluminium / zinc / magnesium alloy coating complying with AS1397-2011 (300 MPa minimum yield strength, 125 grams per square metre minimum metallic coating mass)

Nexteel™ Standard Painted Steel, Matt Finish, Metallic, Ultra

Steel base metal thickness with an aluminium / zinc alloy coating substrate complying to AS1397-2011 and paint coating complying to AS/NZS 2728 Type 4 (300 MPa minimum yield Strength)

PAINT OPTIONS

NextONE™

Substrate:	Zinc Aluminium Alloy Coated Steel
Coating:	150 grams per m2 minimum metallic coating mass, nominally 75 gram per side
Primer:	Polyester
Paint:	Polyester topcoat nominally 25 microns
Additional Performance:	Enhanced UV stability
Protective Plastic Coating (if required):	75 microns thick

NextSTAR™

Substrate:	Zinc Aluminium Alloy Coated Steel
Coating:	AZ150 = 150 grams per m2 minimum metallic coating mass, nominally 75 gram per side
Primer:	Polyester
Paint:	Silicone Modified Polyester topcoat guaranteed thickness of 25 microns
Additional Performance Benefits:	Double UV stability and Ultra-Cool cool roof pigments
Protective Plastic Coating (if required):	75 microns thick

NextFACTOR™

Substrate:	Zinc Aluminium Alloy Coated Steel
Coating:	AZ150 = 150 grams per m2 minimum metallic coating mass, nominally 75 gram per side
Primer:	Urethane
Paint:	PVDF 70% topcoat guaranteed thickness of 25 microns
ColourLock Clear Coating:	XL Clear DFB nominally 13um
Additional Performance Benefits:	Double UV stability and Ultra-Cool cool roof pigments
Protective Plastic Coating (if required):	75 microns thick

PAINT OPTIONS (CONT.)

NextREME 200™

Substrate:	Zinc Aluminium Alloy Coated Steel
Coating:	AZ200 = 200 grams per m2 minimum metallic coating mass, nominally 100 gram per side
Primer:	Polyester
Paint:	Silicone Modified Polyester with a topcoat guaranteed thickness of 25 microns
Additional Performance Benefits:	Double UV stability and Ultra-Cool cool roof pigments
Protective Plastic Coating (if required):	75 microns thick

NextREME SE™

Substrate:	Aluminium
Alloy:	5052 suitable for extreme coastal environments
Primer:	Urethane
Paint:	Silicone Modified Polyester with a topcoat guaranteed thickness of 25 microns
Additional Performance Benefits:	Double UV stability and Ultra-Cool cool roof pigments
Protective Plastic Coating (if required):	75 microns thick

NextREME XC™

Substrate:	Aluminium
Alloy:	5052 suitable for extreme coastal environments
Primer:	Urethane
Paint:	PVDF 70% with a topcoat guaranteed thickness of 25 microns
ColourLock Clear Coating:	XL Clear DFB nominally 13um
Additional Performance Benefits:	Double UV stability and Ultra Cool roof pigments
Protective Plastic Coating (if required):	75 microns thick

ISO 9223:2012

Corrosion of metals and alloys — Corrosivity of atmospheres — Classification, determination and estimation.

MARINE CLASSIFICATION

Select from the following exposure severity category:

Class 1 (ISO 9223 Category C1):
Rural areas far inland and remote from marine or industrial influence

Class 2 (ISO 9223 Category C2):
Inland areas remote from the coast or areas of pollution

Class 3 (ISO 9223 Category C3):
Coastal areas with low salinity

Class 4 (ISO 9223 Category C4):
Severe marine which begins between 100m - 400m from breaking surf or 100m from calm marine.

Class 5 (ISO 9223 Category C5):
Very severe marine: Close to breaking surf, typically 0 to 100m from breaking surf/exposed marine.

Class CX: Extreme (as per AS 4312:2019):
Rare classification, reserved for offshore structures and the most severe sea conditions