



**Revolution
Roofing**
STEEL YOURSELF

TRUE OAK 'MID 10MM'

REVSPEC

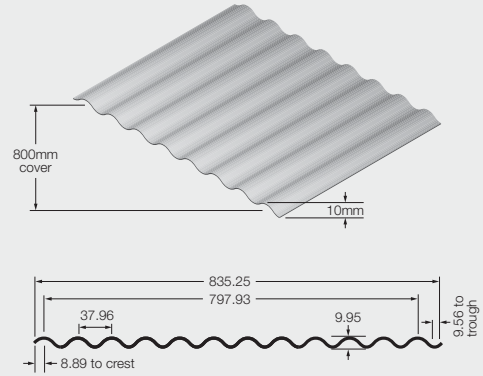
REVSPEC

V14.0

True Oak 'Mid 10mm'

OVERVIEW

Minimum Sheet Length	150mm
Maximum Sheet Length	8m
Rib Height	10mm
Standard Panel Cover	800mm



PROFILE AVAILABLE

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

AVAILABLE FINISHES

RevZinc AM125	HERITAGE GALVANISED	NEXTEEL	MATT FINISH	NextSTAR™ ULTRA	METALLIC	NextREME™ Aluminium	CORTEN	COPPER	STAINLESS STEEL
✓	✓	✓	✓	✓	✓	✓			
PERFORATED	FENCING	VICTORY							
✓	✓	✓							

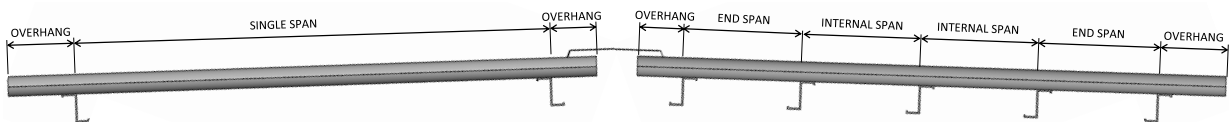
GAUGES AVAILABLE

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

SPAN TABLE NON-CYCLONIC WALL CLADDING

WALL SPAN	0.42 BMT	CEILING OR SOFFIT SPAN	0.42 BMT
Single Span	1500	Single Span	600
End Span	1500	End Span	600
Internal Span	1500	Internal Span	900
Overhang	200		

SPAN DEFINITIONS



True Oak 'Mid 10mm'

FASTENER SPACING NON-CYCLONIC

VALLEY FASTENER LOCATION

8 fasteners per sheet - end supports and end laps



NOTE: Side lap fasteners are optional when using 8 fasteners per sheet, but are a requirement when only using 3 fasteners per sheet for valleys.

Suggested True Oak 'Mid 10mm' Non Cyclonic Pierce Fixing

TYPE	Fixing To Steel (Up to 1.9mm)	FIXING TO TIMBER
Valley Fixed (wall only)	Buildex Ripplezip M4.8-16 x 25 or 10-16 x 16mm Hex Head	Buildex Ripplezip M4.8-16 x 25 or 10-12 x 25mm Hex Head T17

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

MASSES

RevZinc AM125

	0.42 BMT	0.48 BMT	0.60 BMT
kg/lm	3.22	3.66	4.48
kg/m2	4.02	4.58	5.61

Nexteel™

	0.35 BMT	0.42 BMT	0.48 BMT	0.60 BMT
kg/lm	2.73	3.36	3.76	4.55
kg/m2	3.41	4.19	4.70	5.68

Heritage Galvanised

	0.60 BMT
kg/lm	4.98
kg/m2	6.22

True Oak 'Mid 10mm'

NON-CYCLONIC SERVICEABILITY AND STRENGTH

Non-Cyclonic True Oak 'Mid 10mm' 0.42 BMT					
NON-CYCLONIC wind uplift Resistance - Service and Strength Limit State Design					
Span (mm)	End Span		Span (mm)	Internal Span	
	Serviceability (kPa)	Strength (kPa)		Serviceability (kPa)	Strength (kPa)
900	0.47	5.18	1200	0.46	4.87
1200	0.43	3.56	1500	0.43	3.58
1500	0.41	2.67	1800	0.41	2.79
1800*	0.38	2.10	2100	0.39	2.12

* Spans exceed trafficable point load limits.

DESIGN PARAMETERS

Region	A
Terrain Category	2
Height	10 metre
Vz	45 m/sec
Q* _{u,s}	1.21/0.80 kPa
C _{pe}	+0.7 / -0.65
C _{pi}	-0.2 / +0.2

INTERNAL Bay	END Bay
K ₁ = 1.0	K ₁ = 2.0
∑C = -0.85	∑C = -1.50
	P _u = 1.82 kPa
	P _s = -1.21 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

True Oak 'Mid 10mm'

STANDARD SPECIFICATION

RevZinc AM125

Steel base thickness {0.42, 0.48 BMT} with an aluminium / zinc / magnesium alloy coating complying with AS1397-2011 (550 MPa minimum yield strength, 125 grams per square metre minimum metallic coating mass)

Steel base thickness {0.60 BMT} 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)

Heritage Galvanised Z600

Heritage Galvanised is a 0.60 Z600 hot dipped zinc-coated structural steel complying with AS1397-2001 G300 (300MPa minimum yield stress), 600 grams per square metre minimum coating mass

Nexteel™ Standard Painted Steel, Matt Finish, Metallic

Steel base metal thickness is {0.35, 0.42, or 0.48 BMT} with an aluminium / zinc alloy coating substrate complying to AS1397-2011 and paint coating complying to AS/NZS 2728 Type 4 (550 MPa minimum yield Strength)

Steel base metal thickness is {0.60 BMT} 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™ XL

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

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PAINT OPTIONS (CONT.)

NextSTAR™ ULTRA

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