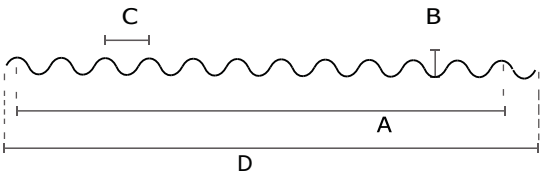# TRUE OAK RANGE

Mid 10

OVERVIEW

True Oak Mid 10 is a versatile roofing and cladding solution. With twice the area for fixings than standard mini corrugated panels, True Oak Mid 10 has improved lapping resulting in no sagging or gaping.

COVERAGE LENGTH

800 mm Nominal

RIB HEIGHT

10mm

MECHANICAL CURVING

Not Available

PROFILE

- A = 800.0mm +/- 2mm
- B = 10mm
- C = 38.1mm
- D = 835.0mm

* Visit revbydesign.com.au for CAD & Revit Files

AVAILABILITY

LOCATION

📍 **AUSTRALIA WIDE**

MATERIAL & GUAGE

- 0.42 BMT
- 0.48 BMT

- Nexalume™ AZ150
- NEXTEEL NextSTAR™
- NEXTEEL NextSTAR™ Ultra
- NEXTEEL NextSTAR™ Matt
- Heritage Galvanised

- Zincalume® AM150
- COLORBOND® Steel
- COLORBOND® Steel Ultra
- COLORBOND® Steel Matt
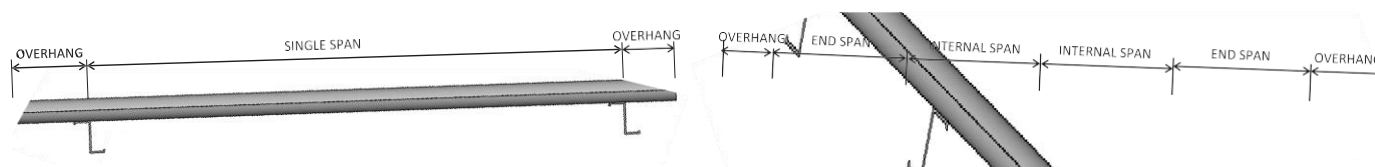- COLORBOND® Steel Fencing

NON-CYCLONIC SPAN TABLE

WALL CLADDING NON-CYCLONIC SPAN TABLE

WALL SPAN	0.42 BMT	0.48 BMT
Single Span	1500	*
End Span	1500	*
Internal Span	1500	*
Overhang	200	*

CEILING OR SOFFIT NON-CYCLONIC SPAN TABLE

CEILING / SOFFIT SPAN	0.42 BMT	0.48 BMT
Single Span	600	*
End Span	600	*
Internal Span	900	*

SPAN DEFINITIONS

DESIGN PARAMETERS

Region	A
Terrain Category	2

Height	10 metre
Vz	45 m/sec
q*u	1.215 kPa
qs	0.821 kPa
Cp.e	-0.65
Cp	0.2

Internal Bay	End Bay
K1 = 1.0	K1 = 2.0
∑C = -0.85v	∑C = -1.50
Pu = 1.03 kPa	Pu = 1.82 kPa
Ps = 0.70 kPa	Ps = 1.23 kPa

NON-CYCLONIC SERVICEABILITY & STRENGTH

NON-CYCLONIC TRUE OAK MID 10 0.42 BMT					
Non-Cyclonic Wind Uplift Resistence - Service and Strength Limit State Design					
End Span			Internal Span		
Span (mm)	SERVICEABILITY (kPa)	STRENGTH (kPa)	Span (mm)	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

INSULATION OPTIONS

Roof Blanket with a thickness up to 100mm can be installed under True Oak Mid 10 without the requirement of a thermal spacer, the length of the fasteners may have to increase to compensate for the thickness of the insulation.

Noting the energy efficiency requirements of non-residential buildings may call for a thermal spacer on blanket of all sizes, this is governed by Section J of the National Construction Code.

MASSES

COLORBOND® STEEL AM100

	0.42 BMT	0.48 BMT
kg/lm	3.36	3.76
kg/m2	4.19	4.70

NEXTEEL™ AM100

	0.42 BMT	0.48 BMT
kg/lm	3.36	3.76
kg/m2	4.19	4.70

HERITAGE GALVANISED

	0.48 BMT
kg/lm	4.98
kg/m2	6.22

ZINCALUME® AM125

	0.42 BMT	0.48 BMT
kg/lm	3.22	3.66
kg/m2	4.02	4.58

NEXALUME™ AZ150

	0.42 BMT	0.48 BMT
kg/lm	3.22	3.66
kg/m2	4.02	4.58

FASTENER SPACING NON-CYCLONIC

As per NCC ABCB Housing Provisions Table 7.2.5, maximum roof lengths (m) for drainage measured from ridge to gutter, no allowance has been made for penetrations or water diversion.

VALLEY FASTENER LOCATION

5 Fasteners per Sheet - End Supports

NOTE: Side lap fasteners are optional when using 5 fasteners per sheet, but are a requirement when only using 3 fasteners per sheet for valleys.

SUGGESTED NON-CYCLONIC PIERCE FIXING

SUGGESTED TRUE OAK MID 10 NON CYCLONIC PIERCE FIXING		
TYPE	**FIXING TO STEEL (UP TO 1.9mm)**	**FIXING TO TIMBER**
Valley Fixed (Wall Only)	Buildex Ripplezip M4.8-16×25 or 10-16×16mm Hex Head	Buildex Ripplezip M4.8-16×25 or 10-12×25mm Hex Head T17

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

<div style="background:red"></div> **STANDARD SPECIFICATION**

COLORBOND® STEEL AM100
RELEVANT FOR COLORBOND® STEEL, COLORBOND® MATT STEEL PRODUCTS

Steel base thickness (0.42 or 0.48) with an Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology Coating. COLORBOND® Steel AM100 Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728:2013 Type 3.

- SUBSTRATE — Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology - AS 1397:2021
- COATING — AM100 = 100g per m^2 Minimum Metallic Coating Mass
- PRIMER — Nominal 5µm Universal Corrosion Inhibitive Primer
- PAINT — Nominal 20µm Finish Coat AS/NZS 2728:2013 Type 3
- PROTECTIVE PLASTIC — Nominal 50µm CORSTRIP® (if required)

COLORBOND® STEEL AM150
RELEVANT FOR COLORBOND® STEEL ULTRA PRODUCTS

Steel base thickness (0.42 or 0.48) with an Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology Coating. COLORBOND® AM150 Ultra Steel Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728:2013 Type 3.

- SUBSTRATE — Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology - AS 1397:2021
- COATING — AM150 = 150g per m^2 Minimum Metallic Coating Mass
- PRIMER — Nominal 5µm Universal Corrosion Inhibitive Primer
- PAINT — Nominal 20µm Finish Coat AS/NZS 2728:2013 Type 3
- PROTECTIVE PLASTIC — Nominal 50µm CORSTRIP® (if required)

NEXTEEL™ AM100
RELEVANT FOR NEXTSTAR™, NEXTSTAR™ MATT STEEL PRODUCTS

Steel base thickness (0.42 or 0.48) with an Aluminium Zinc Magnesium Alloy Coated Steel Coating. NEXTEEL™ AM100 Steel Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728 Type 4.

- SUBSTRATE — Aluminium Zinc Magnesium Alloy Coated Steel - AS 1397:2021
- COATING — AM100 = 100g per m^2 Minimum Metallic Coating Mass
- PRIMER — Nominal 5µm Polyester
- PAINT — Nominal 20µm Advanced Durability Polyester AS/NZS 2728 Type 4
- PROTECTIVE PLASTIC — Nominal 50µm NextSTRIP (if required)

NEXTEEL™ AM150
RELEVANT FOR NEXTSTAR™ ULTRA STEEL PRODUCTS

Steel base thickness (0.42 or 0.48) with an Aluminium Zinc Magnesium Alloy Coated Steel Coating. NEXTEEL™ AM150 Steel Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728 Type 4.

- SUBSTRATE — Aluminium Zinc Magnesium Alloy Coated Steel - AS 1397:2021
- COATING — AM150 = 150g per m^2 Minimum Metallic Coating Mass
- PRIMER — Nominal 5µm Polyester
- PAINT — Nominal 20µm Advanced Durability Polyester AS/NZS 2728 Type 4
- PROTECTIVE PLASTIC — Nominal 50µm NextSTRIP (if required)

STANDARD SPECIFICATION

COLORBOND® STEEL AM70

RELEVANT FOR COLORBOND® STEEL FENCING PRODUCTS

Steel base thickness (0.42 or 0.48) with an Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology Coating. COLORBOND® Steel AM70 Substrate compliance AS 1397:2021, and Paint Finish Substrate compliance AS/NZS 2728:2013 Type 3.

- SUBSTRATE — Aluminium Zinc Magnesium Alloy Coated Steel with Activate® Technology Substrate (Fence Panels) or Zinc-Coated Steel Substrate (Post & Rails) - AS 1397:2021
- COATING — AM70 = 70g per m^2 Minimum Metallic Coating Mass
- PRIMER — Nominal 5μm Universal Corrosion Inhibitive Primer
- PAINT — Nominal 20μm Finish Coat AS/NZS 2728:2013 Type 3
- PROTECTIVE PLASTIC — Nominal 50μm CORSTRIP® (if required)

ZINCALUME® AM125

Steel base thickness (0.42 or 0.48) with an Aluminium Zinc Magnesium Alloy Coated Steel Coating. Zincalume AM125 Substrate compliance AS 1397:2021, 125g per square metre minimum Metallic Coating Mass.

- SUBSTRATE — Aluminium Zinc Magnesium Alloy Coated Steel - AS 1397:2021
- COATING — AM125 = 125g per m^2 Minimum Metallic Coating Mass

NEXALUME AZ150

Steel base thickness (0.42 or 0.48) with a Hot-Dipped Aluminium Zinc Magnesium Alloy Coating. Nexalume AZ150 Substrate compliance AS 1397:2021, 150g per square metre minimum Metallic Coating Mass.

- SUBSTRATE — Hot-Dipped Aluminium Zinc Magnesium Alloy Coated Steel - AS 1397:2021
- COATING — AZ150 = 150g per m^2 Minimum Metallic Coating Mass

MARINE CLASSIFICATION

- 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

ISO 9223:2012

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