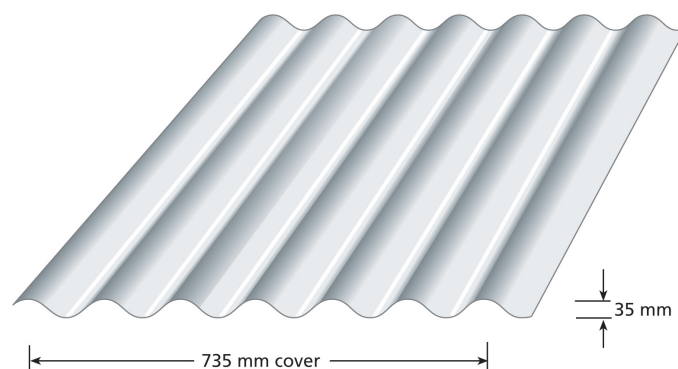


TRUE OAK '5'

Patented technology
EXCLUSIVE
to Revolution Roofing



FEATURES & BENEFITS

- 121mm x 35mm corrugation.
- 735mm coverage.
- Suitable for roofing & walling applications.
- Highly sought after larger area and bolder corrugations.
- Ability to go down to a 2 degree pitch.
- 60% deeper, 50% wider & 100% stronger than standard corrugated.
- A contemporary cousin to the original 'deep' 6 (152mm x 40mm) asbestos profile.
- 50% more water carrying capacity than standard corrugated.
- Available in three gauges - 0.42, 0.48 & 0.60 BMT.
- The profile is much stronger underfoot, will not dent under normal foot traffic.
- Improved lapping resulting in no sagging or gaping.

Note: To be used in conjunction with True Oak barge & ridge.

MATERIAL SPECIFICATIONS

Revolution Roofing only use 100% BlueScope Steel products.

ZINCALUME® steel aluminium/zinc alloy-coated steel complying with AS1397-2001 G550, AZ150 (550MPa minimum yield stress, 150g/m² minimum coating mass); or Stainless Steel standard grade designation is AISI/ASTM Type 430; UNS No. S43000.

COLORBOND® steel metal thickness is 0.35, 0.42 or 0.48mm. G550, AZ150 (550MPa minimum yield stress, 150g/m² minimum coating mass).

COLORBOND® Ultra base metal thickness is 0.42 or 0.48mm. G550, AZ200 (550MPa minimum yield stress, 200g/m² minimum coating mass).

COLORBOND® steel .60 Blue Orb G300, AZ150 (300Mpa minimum yield stress, 150g/m² minimum coating mass).

COLORBOND® Metallic steel base metal thickness is 0.48mm. G550, AZ150 (550Mpa minimum yield stress, 150g/m² minimum yield stress, 150g/m² minimum coating mass).

The COLORBOND® prepainted steel complies with AS/NZS2728:1997.

MINIMUM ROOF PITCH 2 DEGREES

The TRUE OAK '5' can go down to a minimum roof pitch of 2 degrees. Sheet lengths greater than 24m will require an expansion joint.

TOLERANCE & MASSES

TRUE OAK '5' Masses				
Measurement	Zincalume 0.42 BMT	Colorbond 0.42 BMT	Zincalume 0.48 BMT	Colorbond 0.48 BMT
kg/m	3.43	3.49	3.91	3.95
kg/m ²	4.67	4.75	5.32	5.37

Tolerances

Length: +10mm/ -10mm Width: +4mm/ -4mm

GUARANTEED TO LAST

Revolution Roofing are so sure that their new True Oak corrugated will stand the test of time they are willing to back it up with an exclusive True Oak 20 Year Watertight Installation Guarantee. This back-to-back material & corrosion warranty is available only when the product is installed by a Revolution Roofing Licensed Contractor.



HISTORIC NEW COLOUR FROM THE PAST

Even BlueScope Steel is excited! To coincide with the launch of Revolution Roofings new True Oak corrugated profiles, BlueScope Steel have launched a new semi-metallic colour 'Cordite Grey' in the style of the original graphite micaceous paints.



Zincalume® Colorbond®

OSBORNE PARK WA
55b Hector Street
P: 08 9217 9011 F: 08 9204 5564



MILE END SOUTH SA
55 Scotland Road
P: 08 8352 0911 F: 08 8352 0922

LONSDALE SA
14 Bredbo Street
P: 08 8186 0545 F: 08 8186 1341

TRUE OAK '5'

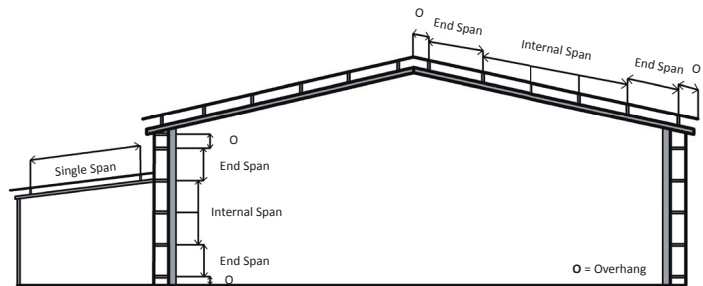
SPAN TABLE NON-CYCLONIC

Revolution Roofing TRUE OAK '5'		
Recommended Maximum Support Spacings (mm) SPAN TABLE		
Type of Roof Span BMT (mm)	0.42	0.48
Single Span	1600	2000
End Span	1700	2550
Internal Span	2100	3000
Unstiffened Eaves Overhang	250	250
Stiffened Eaves Overhang	600	600
Type of Wall Span BMT (mm)	0.42	0.48
Single Span	2100	2300
End Span	2100	2700
Internal Span	2400	2900
Unstiffened Eaves Overhang	300	300
Stiffened Eaves Overhang	450	450

Note:

1. For roofing the data is based on foot traffic loading.
2. For walling the data is based on wind pressure.
3. The above data table is based on supports of 1mm BMT.

STANDARD INTERPRETATION OF SPANS



Design Parameters

Region A: $C_{p,e} = 0.65$
 Terrain Category 2 $C_{p,i} = 0.20$
 Height = 10m $P_u = 2.25 \text{ kPa}$
 $K_L = 2.0$ $P_s = 1.93 \text{ kPa}$

TRUE OAK '5'

FASTENER SPACING NON-CYCLONIC

Crest Fastener Location
5 fasteners per sheet - end supports and end laps



Valley Fastener Location
5 fasteners per sheet - end supports and end laps



3 fasteners per sheet - internal supports
(roofing should be lapped away from prevailing weather)



3 fasteners per sheet - internal supports
(roofing should be lapped away from prevailing weather)



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.

FASTENER SPACING CYCLONIC

Crest Fastener Location
5 fasteners per sheet - end supports and end laps



Crest Fastener Location
5 fasteners per sheet - internal supports
(roofing should be lapped away from prevailing weather)



Maximum Support Spacings

The maximum recommended support spacings are based on testing in accordance with AS1562.1-1992, AS4040.1-1992 and AS4040.2-1992. The recommended roof spans take in to consideration both resistance to wind pressure and light roof traffic (traffic arising from maintenance). The wall spans take in to consideration the resistance to wind pressure only.

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

* The above data displayed is based on trend data, which is a true representation of the average product capability.

TRUE OAK '5'

INSTALLATION & SCREWS NON-CYCLONIC

Side Laps

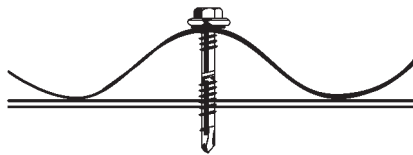
Side-lapping of the corrugated iron may be a requirement at maximum spans. It is generally considered good practice to use fasteners along side-laps to help hold the sheet laps firmly in place and maintain a weatherproof joint. When cladding is supported, side-lap fasteners are generally not needed for extra strength.

End Laps

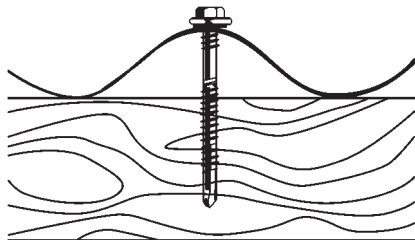
End laps are not generally required as corrugated iron is available in long lengths, however if they are necessary for a certain application please contact your nearest Revolution Roofing office for information regarding the sequence of laying and the amount of overlap.

ROOFING CREST FIXING

Fixing to Steel

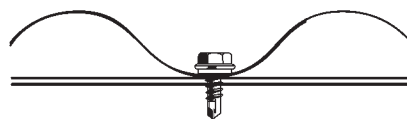


Fixing to Timber

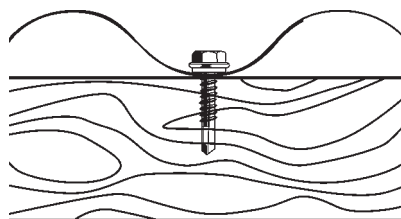


VALLEY FIXING

Fixing to Steel



Fixing to Timber



TRUE OAK '5'				
(Deck 2; 35mm Profile)				
Type	Roofing		Walling	
	Steel	Timber	Steel	Timber
Crest Fixed	50mm Roof Zip® Light Gauge Steel / Timber; 50mm Auto Tek® Light Gauge Steel / Timber	65mm Roof Zip® Light Gauge Steel / Timber; 75mm T17 Timber	50mm Roof Zip® Light Gauge Steel / Timber; 65mm Roof Zip® Light Gauge Steel / Timber; 50mm Auto Tek® Light Gauge Steel / Timber	75mm T17 Timber
Valley Fixed	25mm Roof Zip® Light Gauge Steel / Timber; 16mm Auto Tek® Steel Purlin; 20mm Tek® Steel Purlin; 25mm Designer Head Steel Purlin < 3mm / Timber	25mm Roof Zip® Light Gauge Steel / Timber; 25mm T17 Timber	25mm Roof Zip® Light Gauge Steel / Timber; 16mm Auto Tek® Steel Purlin; 20mm Tek® Steel Purlin; 25mm Designer Head Steel Purlin < 3mm / Timber	25mm Roof Zip® Light Gauge Steel / Timber; 25mm Designer Head Steel Purlin < 3mm / Timber; 25mm T17 Timber