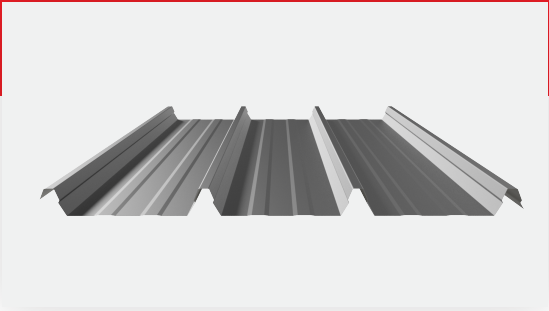


# RevKlip 700



## OVERVIEW

RevKlip 700 is the perfect sheeting solution for your roofing and walling needs. Featuring squared shoulders and a concealed fix clip system, it is perfect for any commercial or domestic project.

### COVERAGE WIDTH

700mm Nominal

### MINIMUM ROOF PITCH

1 Degree

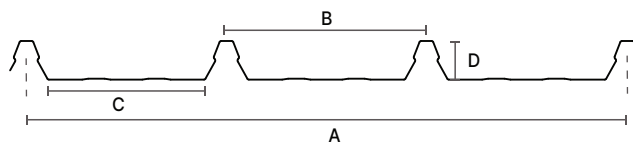
### MOBILE MILL

Available for RevKlip Profile

### SPRING CURVING

6000mm Minimum Radius

## PROFILE



- A = 700.0mm +/- 2mm
- B = 232.3mm
- C = 182.8mm
- D = 42.0mm

\* Visit [revbydesign.com.au](http://revbydesign.com.au) for CAD & Revit Files

## AVAILABILITY

### LOCATION



WESTERN  
AUSTRALIA



SOUTH  
AUSTRALIA



VICTORIA

### MATERIAL & GUAGES

- 0.42 BMT
- 0.48 BMT
- Nexalume™ AZ150
- NEXTEEL NextSTAR™
- NEXTEEL NextSTAR™ Ultra
- NEXTEEL NextSTAR™ Matt
- Zinalume® AM125
- COLORBOND® Steel
- COLORBOND® Steel Ultra
- COLORBOND® Steel Matt

NON-CYCLONIC SPAN TABLE

ROOF SHEETING NON-CYCLONIC SPAN TABLE

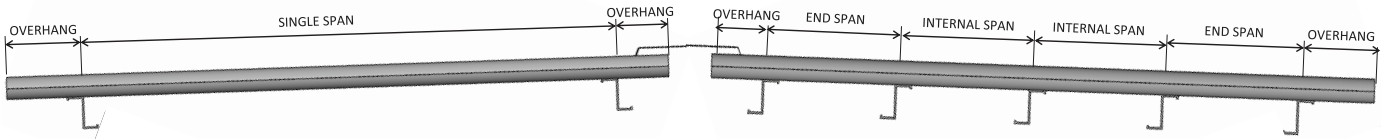
ROOF SPAN	0.42 BMT	0.48 BMT
Single Span	1600	2000
End Span	1700	2550
Internal Span	2100	3000
Unstiffened Overhang	200	200
Stiffened Overhang	500	500

WALL CLADDING NON-CYCLONIC SPAN TABLE

WALL SPAN	0.42 BMT	0.48 BMT
End Span	1700	2550
Internal Span	2100	3000
Unsupported Cantileaver	400	400

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

SPAN DEFINITIONS



DESIGN PARAMETERS

<b>Region</b>	A	Height	10 metre		
		Vz	45 m/sec	<b>Internal Bay</b>	<b>End Bay</b>
		q*u	1.215 kPa	K <sub>1</sub> = 1.0	K <sub>1</sub> = 2.0
		qs	0.821 kPa	ΣC = -0.85v	ΣC = -1.50
		Cp.e	-0.65	Pu = 1.03 kPa	Pu = 1.82 kPa
		Cp	0.2	Ps = 0.70 kPa	Ps = 1.23 kPa
<b>Terrain Category</b>	2				

NON-CYCLONIC SERVICEABILITY & STRENGTH

NON-CYCLONIC REVKLIP 700 0.42 BMT				
Wind load Resistance (kPa) - Limit State Design				
End Span			Internal Span	
Span (mm)	SERVICEABILITY (kPa)	STRENGTH (kPa)	SERVICEABILITY (kPa)	STRENGTH (kPa)
900	2.25	4.45	2.04	4.22
1200	1.85	3.03	1.75	3.18
1500	1.67	2.74	1.61	2.91
1800	1.45	2.35	1.50	2.58
2100	1.23	1.98	1.40	2.26
2400	1.04	1.62	1.26	1.94
2700	0.88	1.38	1.13	1.67
3000	0.74	1.16	1.00	1.43

NON-CYCLONIC REVKLIP 700 0.48 BMT				
Wind load Resistance (kPa) - Limit State Design				
End Span			Internal Span	
Span (mm)	SERVICEABILITY (kPa)	STRENGTH (kPa)	SERVICEABILITY (kPa)	STRENGTH (kPa)
900	2.97	5.61	2.62	5.07
1200	2.34	4.08	2.27	4.07
1500	2.20	3.56	2.19	3.73
1800	2.04	3.10	2.03	3.27
2100	1.87	2.66	1.87	2.90
2400	1.41	1.81	1.63	2.54
2700	1.10	1.38	1.40	2.26
3000	0.87	1.49	1.19	1.93

RAINWATER TABLES

Maximum roof lengths (m) for drainage measured from ridge to gutter, no allowance has been made for penetrations or water diversion.

CROSS SECTIONAL AREA COMPARISON PER PROFILE

EFFECTIVE CROSS-SECTIONAL AREA (m <sup>2</sup> / m)	
Corrugated 16mm	1.249 x 10 <sup>-3</sup>
True Oak 21mm	2.520 x 10 <sup>-3</sup>
True Oak 'Super 5'	6.416 x 10 <sup>-3</sup>
Rev5	11.85 x 10 <sup>-3</sup>
Rev5 Plus	15.29 x 10 <sup>-3</sup>
RevKlip 700	13.91 x 10 <sup>-3</sup>
RevSpan 700	4.589 x 10 <sup>-3</sup>

REVKLIP 700 - RAINFALL CAPACITY

RAINFALL CAPACITY (mm/hr)						
ROOF SLOPE (DEGREES)	150	200	250	300	350	400
1	152	114	91	76	67	52
2	201	151	121	101	89	73
3	241	181	144	120	106	90
5	305	229	183	153	134	116

RELATIVE DISCHARGE X 10-6m<sup>3</sup> / s / m PER PROFILE

SLOPE (DEGREES)	CORRUGATED 16mm	TRUE OAK 21mm	TRUE OAK 'SUPER 5'	REV5	REV5 PLUS	REVKLIP 700	REVSPAN 700
1	103.3	286.1	1227.1	4018.5	5932.9	4974.0	1034.3
2	146.1	404.6	1736.2	5682.9	8390.4	7034.3	1462.8
5	231.0	639.8	2754.2	8985.6	13266.5	11122.3	2312.9
10	326.8	904.8	3882.4	12707.5	18761.6	15729.3	3270.9
15	400.2	1108.1	4752.9	15563.5	22978.2	19264.5	4006.0

RAINWATER INTENSITY BY LOCATION

RAINFALL INTENSITY BY LOCATION (mm / hr)		
Average recurrence (years)		
Locality	Once in 20	Once in 100
AUSTRALIAN CAPITAL TERRITORY		
Canberra	143	193
NEW SOUTH WALES		
Albury	139	180
Broken Hill	143	219
Newcastle	226	316
Sydney	200	262
NORTHERN TERRITORY		
Alice Springs	166	239
Darwin	233	274
QUEENSLAND		
Brisbane	234	305
Cairns	229	278
Mackay	250	316
Townsville	235	300

RAINFALL INTENSITY BY LOCATION (mm / hr)		
Average recurrence (years)		
Locality	Once in 20	Once in 100
SOUTH AUSTRALIA		
Adelaide	125	187
Gawler	110	158
Mt Gambier	103	144
Murray Bridge	120	178
Yorke town	155	166
TASMANIA		
Hobart	85	116
Launceston	90	121
VICTORIA		
Ballarat	131	188
Geelong	102	144
Melbourne	132	187
Mildura	142	218

RAINFALL INTENSITY BY LOCATION (mm / hr)		
Average recurrence (years)		
Locality	Once in 20	Once in 100
WESTERN AUSTRALIA		
Albany	125	178
Broome	232	287
Bunbury	147	199
Geraldton	138	193
Perth	130	172

\*Rainwater Intensity Data obtained from the National Construction Code and the Bureau of Meterology.

MASSSES

NEXTEEL™ AM100

	0.42 BMT	0.48 BMT
kg/lm	3.36	3.76
kg/m²	4.79	5.37

COLORBOND® STEEL AM100

	0.42 BMT	0.48 BMT
kg/lm	3.36	3.76
kg/m²	4.79	5.37

NEXALUME™ AM125

	0.42 BMT	0.48 BMT
kg/lm	3.22	3.66
kg/m²	4.5	5.23

ZINCALUME® AZ150

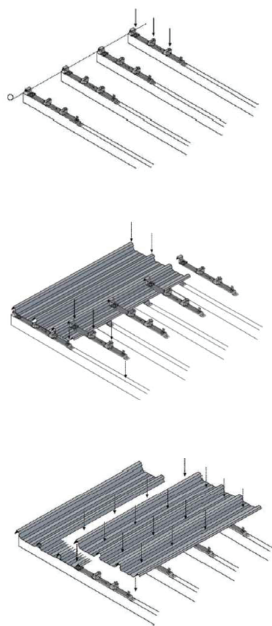
	0.42 BMT	0.48 BMT
kg/lm	3.22	3.66
kg/m²	4.5	5.23

SUGGESTED NON-CYCLONIC PIERCE FIXING

SUGGESTED REVKLIP 700 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
Concealed Clip Fixed	M6 - 11×25mm Hex Head	M6 - 11×25mm Hex Head	M6 - 11×25mm Hex Head	M6 -11 × 25mm Hex Head with Seal or T17 × 25mm Hex Head

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

INSTALLATION



- 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.
- Fix first sheet to clips using downward pressure ensuring deck is properly engaged into clip. Check there is adequate overhang of the sheet to the eaves line.
- Position the strap of the next clip over the top of the male then fix to the previous RevKlip 700 clip using the locating tabs. Proceed with the next RevKlip 700 sheet by engaging the female rib onto the male rib with the strap of the clip in between.

INSULATION OPTIONS

Roof Blanket with a thickness up to 100mm can be installed under RevKlip 700 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.

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 m² 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® Steel 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 m² 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 m² 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 m² 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

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 m² 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 m² 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.