



QUEENSLAND
SHEET METAL

www.qldsheetsmetal.com.au

About Us

Who We Are

Established in 2003, Queensland Sheet Metal is an Australian family owned and operated company located in Brisbane. Our workforce represents over 30 years of experience in the industry which speaks to our greatest strengths - the knowledge and hard work of our staff. We've become successful in the industry due to both our experienced team and optimal price point with thanks to our loyal customers.

The Queensland Sheet Metal Mission

Our mission is to be the leading sheet metal and roofing supplies manufacturer for residential and commercial customers in the Queensland area. At Queensland Sheet Metal we believe that no one should ever have to sacrifice quality when it comes to the roof of their home, business, or other property.

Our Products

At Queensland Sheet Metal we pride ourselves on our customised service tailored to meet every client's needs, big or small, as well as ensuring a fast turnaround on the delivery of all products. Through effort, experience and expertise in our field, we have developed a system for providing superior roofing supplies, including tradesmen created specialist roofing items, at a value-for-money cost to all of our clients.

Our Commitment to You

At Queensland Sheet Metal, our team of skilled roofing material specialists understand our clients want more than just quality materials. Whether you're an individual or an organisation, you want to know that you're getting the best possible materials at a fair price. Queensland Sheet Metal's superior service ensures that your order will be handled professionally, honestly and delivered to you promptly and correctly. Queensland Sheet Metal has been satisfying clients in the sheet metal and roofing industry for over 15 years and we're committed to helping you take the hassle out of purchasing roofing materials and related products.

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To help you find the perfect colour for your home, Colorbond® steel's inspiring colours are presented in classic and contemporary colour ranges. All of the colours have been inspired by the colours of Australia. So, whether you prefer colours that are subtle or bold, light or dark, cool or warm, we have just the colour for you.

The Colorbond® Steel Advantage

As one of Australia's most trusted brands for home and commercial roofing; Colorbond® steel roofing has proven durability. Its long product life combined with the fact that it's lightweight and low maintenance, makes it a preferred choice for tradesmen and home owners alike.

Designed for Your Lifestyle

Colorbond® steel products are designed for Australia's many different environments. It undergoes rigorous testing to ensure it will stand up to our harsh climate, being tested at multiple outdoor sites as well as in accelerated laboratory testing. In fact, Colorbond® steel has more than 12,000 panels being tested right now across varying Australian environments. Colorbond® metal roofing supplies undergo testing for corrosion, durability, and application testing (to ensure it is suitable for a wide range of buildings).

Classic Range



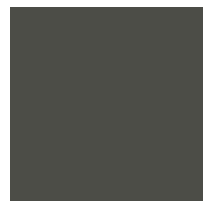
Classic Cream™



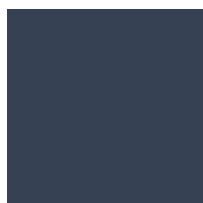
Paperbark®



Pale Eucalypt®



Woodland Grey®



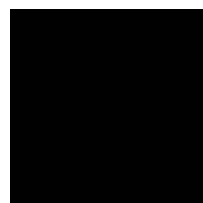
Deep Ocean®



Cottage Green®

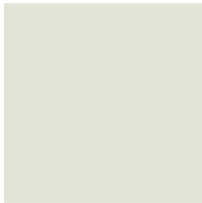


Manor Red®



Night Sky®

Contemporary Range



Surfmist®



Evening Haze®



Shale Grey™



Dune®



Cove™



Windspray®



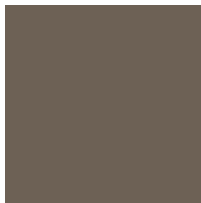
Gully™



Mangrove®



Wallaby®



Jasper®



Basalt®



Ironstone®



Terrain®



Monument®

Also available in Colorbond® Ultra steel for coastal and industrial environments. All other colours are available in Colorbond® Ultra steel on request, please speak with Queensland Sheet Metal direct.

Note: The Colorbond® steel colour swatches and images shown have been reproduced to represent actual product colours as accurately as possible. However, we recommend checking your chosen colour against an actual sample of the product before purchasing, as varying light conditions, different screens and limitations of the printing process may affect colour tones.

Loading Requirements

Weight and Load Requirements



Carrying of long and/or heavy loads in a vehicle not designed for such purposes can be dangerous and in breach of the law. Vehicles considered inappropriate will not be loaded.



Vehicles are not to be overloaded. This includes roof racks.



Queensland Sheet Metal will not load above the following limits without written verification that both the roof rack and the vehicle roof is capable of a higher load (including the load already on the vehicle):

- Car/Sports racks 40kg
- Trades racks 100kg
- Written verification of acceptable higher weights includes - the load rated sticker on the roof racks, paperwork received with the roof racks or an engineering certificate.
- Vehicle stability (due to higher centre of mass) must also be considered.

Overhang Requirements



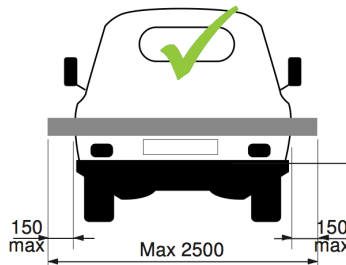
The overhang limits stated here are for ALL vehicle types and are based on maximum limits for product protection and/or the state or territory regulations. Wide loads should not be inclined (due to wind loadings).

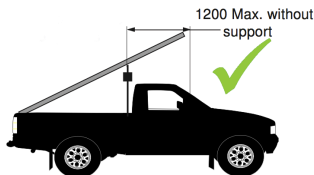
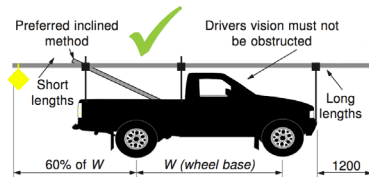
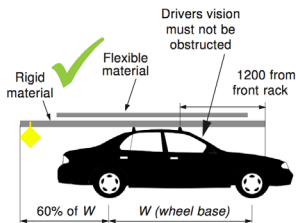


The drivers vision must not be obstructed. Projections/overhangs that are dangerous are not acceptable, even if they are within the limits below.

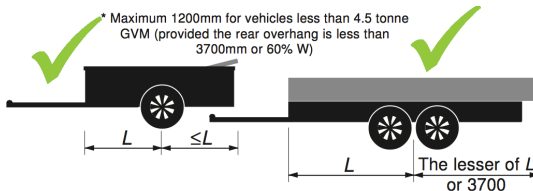
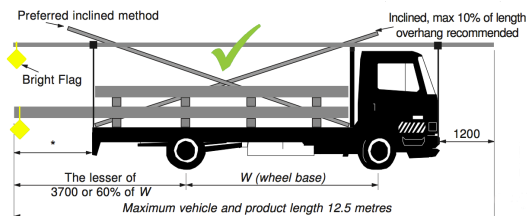
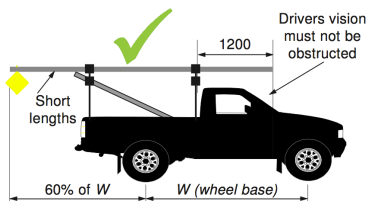
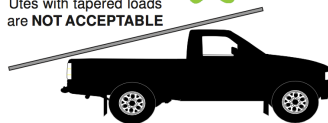


For daytime travel, a minimum 450 mm square bright yellow or yellow and red flag is required on any overhang that cannot be easily seen. This is mandatory for overhangs beyond 1200mm past the end of a vehicle (e.g. for trucks).





Utes with tapered loads are **NOT ACCEPTABLE**



The rear overhang of a trailer must be the lesser of the front load carrying area or body ahead of the centre of the axle group and 3.7 m.
No forward overhangs for box trailers

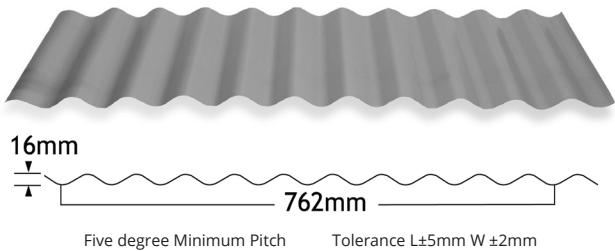


Quick Guide

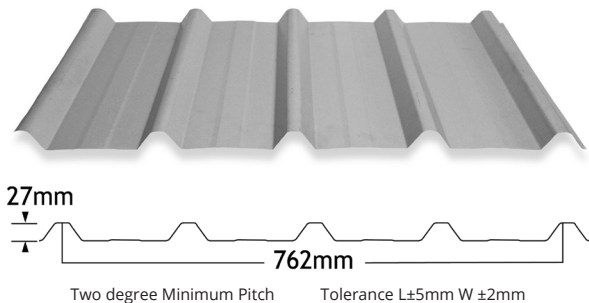
Quick Guide..... 9 - 20

Roofing and Walling

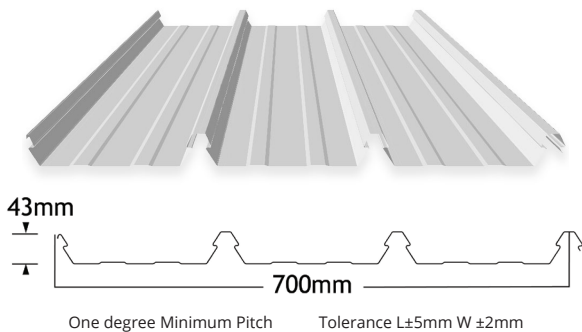
Corrugated



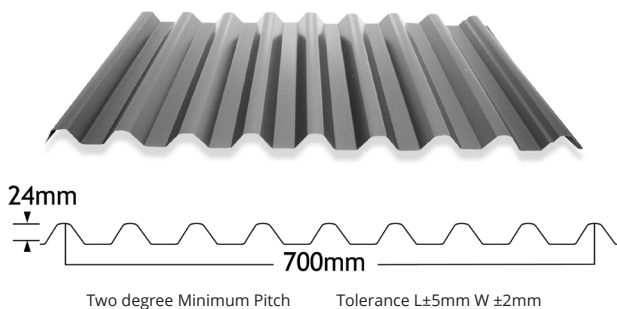
Five Rib



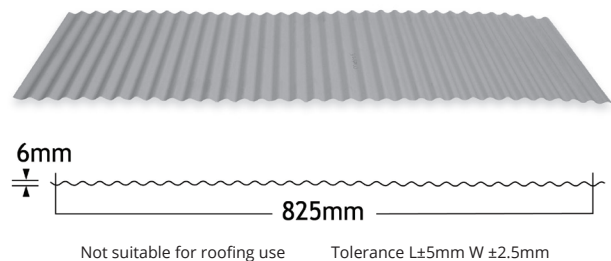
Conceal Fix



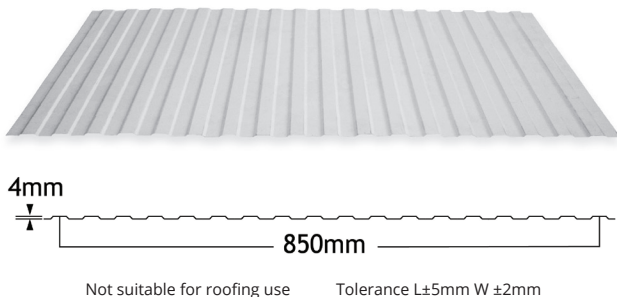
Span Roofing



Mini Corrugated

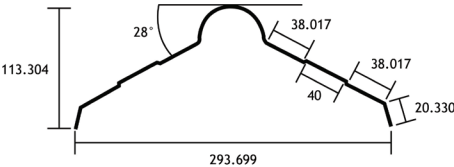


Mini Rib

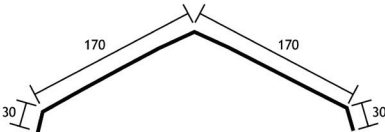
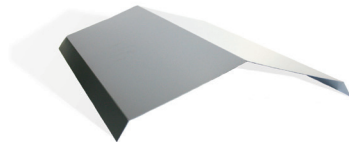


Roofing Accessories

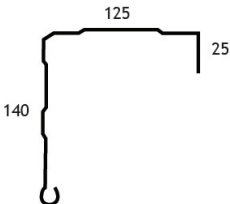
Roll Top Ridge Capping



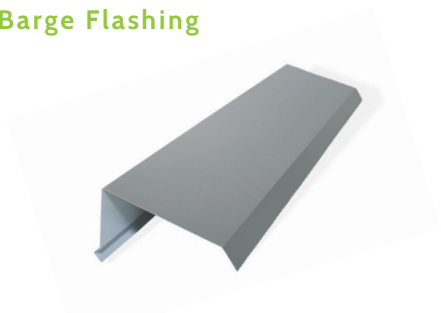
Three Break Ridge Capping



Square-Line Barge Capping

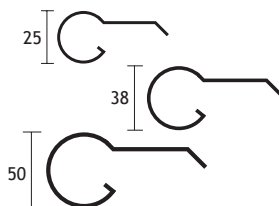


Barge Flashing

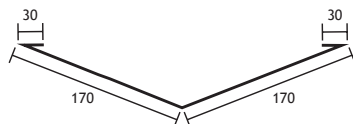
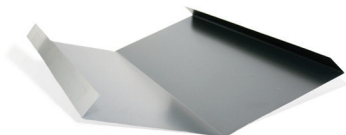


These are made to your own specifications.

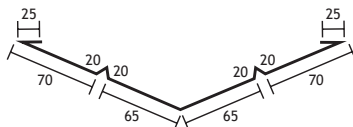
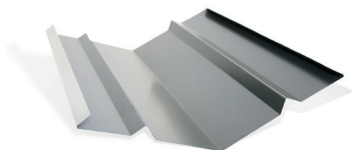
Gable Rolls



Valleys

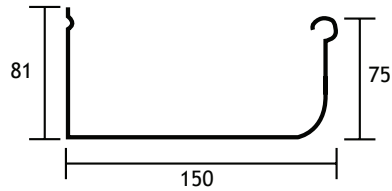
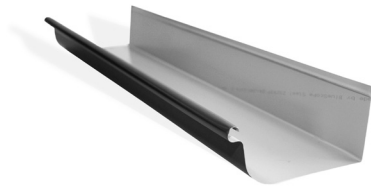


Tile Valleys



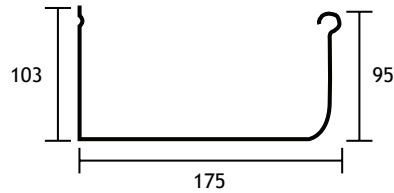
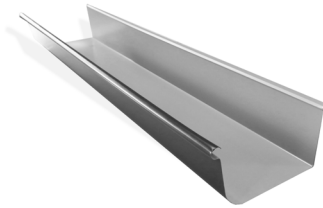
Gutters

150 Quad Gutter

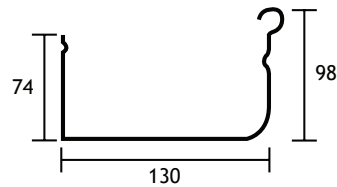


Smaller quad gutters are also available upon request.

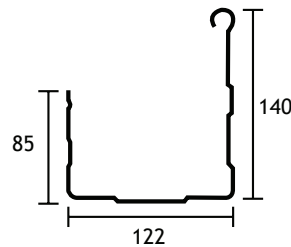
175 Quad Gutter



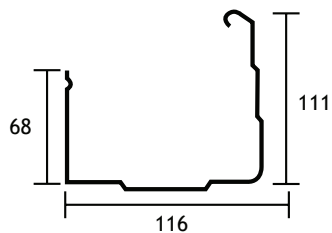
150 High Front Quad Gutter



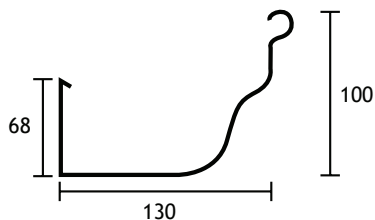
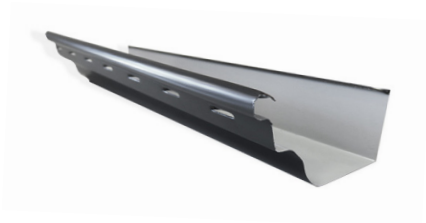
125 Square-Line Gutter



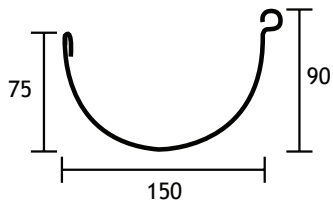
115 Square-Line Gutter



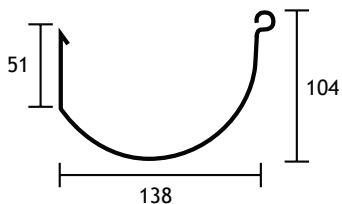
150 OG Gutter



150 Half Round Gutter

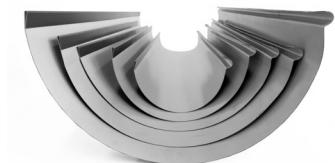


Flat Back Gutter



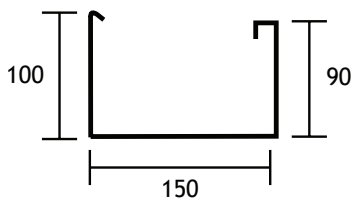
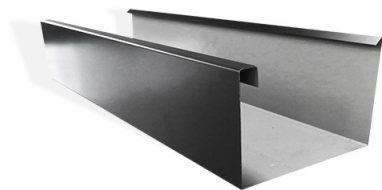
Commercial Gutters

Big Half Round Gutter

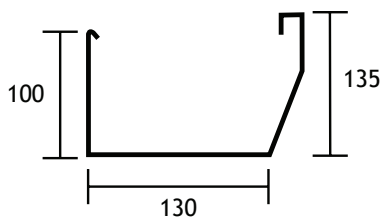


A range of different sizes are available.

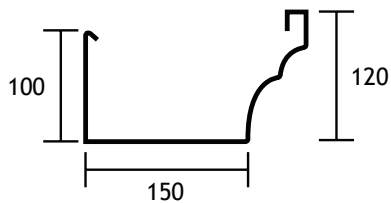
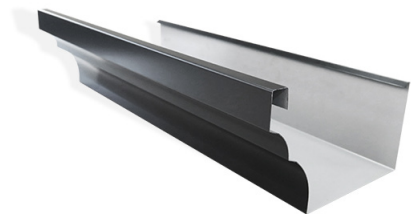
Low Front Commercial Eaves Gutter



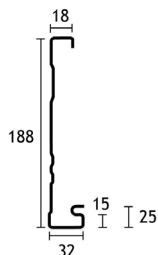
High Front Commercial Eaves Gutter



Big OG Gutter

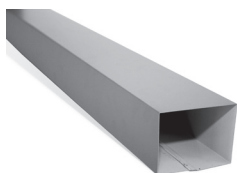


Fascia



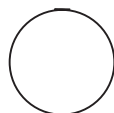
Downpipes

Metal Rectangle Downpipes



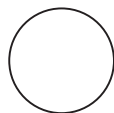
Sizes (mm) - Available in up to 5m lengths	
100 x 50	
100 x 75	
100 x 100	
150 x 100	

Metal Round Downpipes



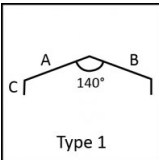
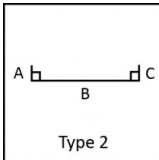
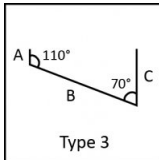
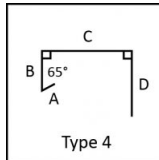
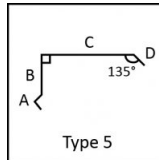
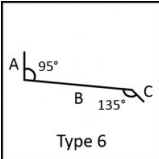
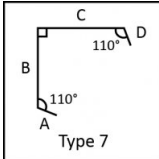
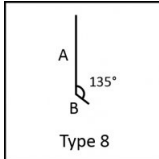
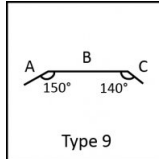
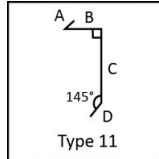
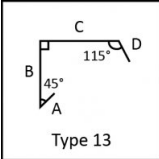
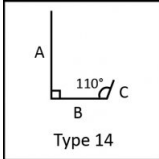
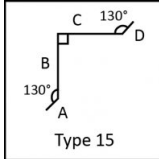
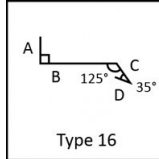
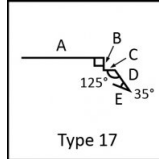
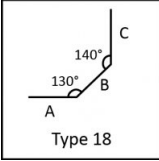
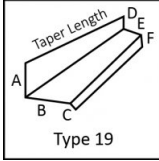
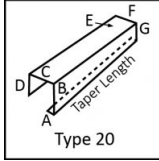
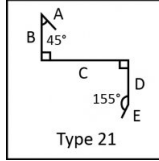
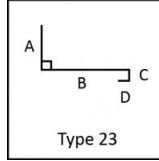
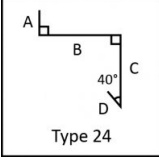
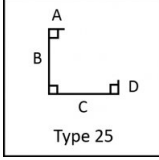
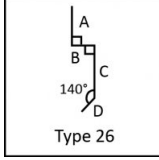
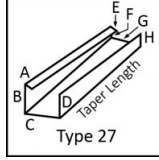
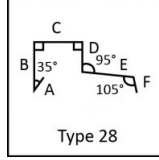
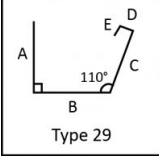
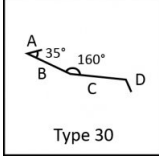
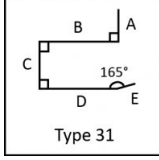
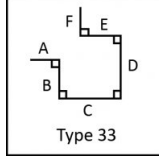
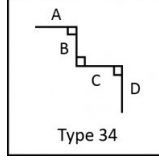
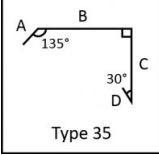
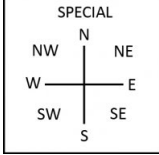
Sizes (mm) - Available in up to 5m lengths	
90	225
100	300
150	

PVC Round Downpipes



Sizing (mm) - Available in 6m lengths	
90	
100	

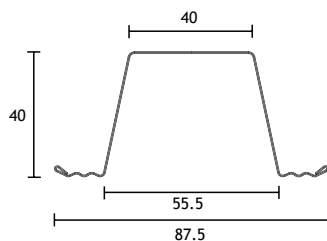
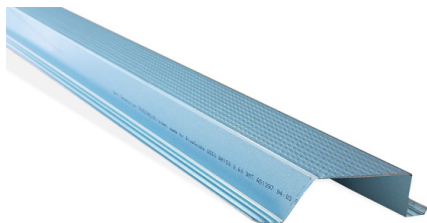
Flashings

				
Type 1	Type 2	Type 3	Type 4	Type 5
				
Type 6	Type 7	Type 8	Type 9	Type 11
				
Type 13	Type 14	Type 15	Type 16	Type 17
				
Type 18	Type 19	Type 20	Type 21	Type 23
				
Type 24	Type 25	Type 26	Type 27	Type 28
				
Type 29	Type 30	Type 31	Type 33	Type 34
				
Type 35	SPECIAL			

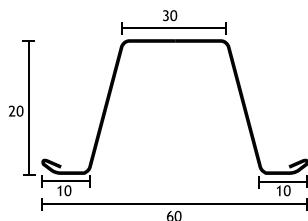
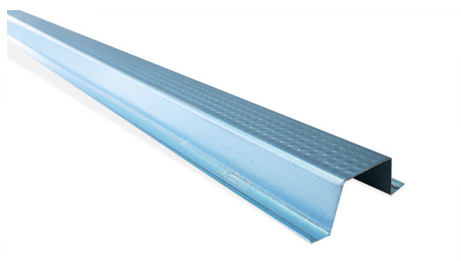
Minimum flashing fold is 8mm. Safety edge = 2 Bends.
Maximum flashing length is 8 LM. Flashings under 1 LM will be charged at a minimum of 1 LM. Standard bend tolerance is $\pm 2\text{mm}$. Please advise if flashing length is critical.

Battens

Roof Batten



Ceiling/Safety Batten



Top Span Batten



A range of different sizes are available.

Insulation

Blanket



Sizes of Rolls
55mm x 1200mm x 15m (18m ²)
75mm x 1200mm x 15m (18m ²)
100mm x 1200mm x 10m (12m ²)

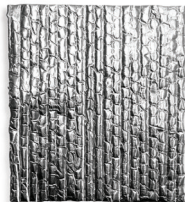
Other sizes available upon request.

Wall Batts



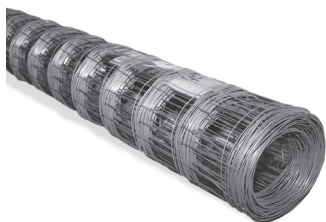
Thickness (mm)	Length (mm)	Width (mm)	Pieces per Pack	Nominal Coverage m ² per Pack	Lineal Metre per Pack
100	1200	168	5	1.08	6

SolairForce



Roll Size	48m2 (40m x 1.2m)
Roll Diameter	415mm
Product Thickness	4mm
Roll Weight	10.5kg
Reflectance	97%
Emissivity	Silver .03

Safety Mesh



Size of Rolls - 2mm thick x 50m roll

300 x 150 x 1800

Sissalation Paper



Width (mm)	Length (mm)	m2 per Roll	Rolls per Pallet
1350	60	81	50

Whirlybird



Size

300mm Diameter



Roofing

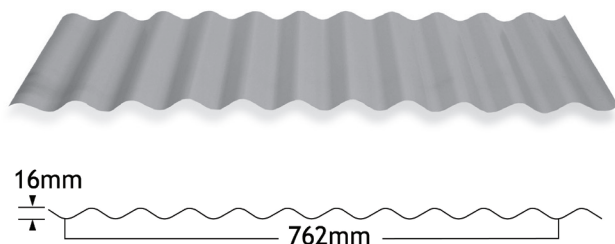
Roofing and Walling 22 - 50

Insulated Panels 51 - 56

Translucent Sheeting 57 - 60

Roofing Accessories 61 - 64

Corrugated



With its classic look and timeless appeal, Corrugated is a versatile profile that can be used in many applications including roofing, walling and fencing. It complements both contemporary and traditional architecture and is available in any length as well as a range of base metal thicknesses. In domestic roofing, predominately 0.42BMT is utilised, whilst 0.48BMT is common for commercial usage. Continuous sinusoidal roof and/or wall cladding with a 5° minimum roof pitch is required. Corrugated is available in a huge range of Colorbond® colours, Zinalume® and Galvanised.

Material Specifications

Material Properties	Finish	0.35BMT	0.42BMT	0.48BMT
Total Coated Thickness (TCT) mm	Zinalume®	0.4	0.47	0.53
	Colorbond®	0.43	0.5	0.56
Mass (kg/linear metre)	Zinalume®	2.74	3.26	3.7
	Colorbond®	2.79	3.32	3.76
Mass (kg/square metre)	Zinalume®	3.6	4.28	4.86
	Colorbond®	3.67	4.35	4.93
Yield (square metre/tonne)	Zinalume®	277.9	233.8	205.9
	Colorbond®	272.3	229.8	202.8
Tensile Strength (MPa)	Zinalume® and Colorbond®	550	550	550
Width Coverage (mm)	Zinalume® and Colorbond®	762	762	762
Sheet Tolerances (mm)	Length and Width	±5 ±2	±5 ±2	±5 ±2
Minimum Roof Pitch	Zinalume® and Colorbond®	-	5°	5°

Spans (mm)

Three Fasteners (Determined by Wind Speeds for Non-Cyclonic Areas)

BMT	Application	Span Type	Wind Class N1	Wind Class N2	Wind Class N3
0.42	Roofing	Internal	1200	1200	1200
0.42	Roofing	Double	900	900	900
0.42	Roofing	End	900	900	900
0.42	Walling	Internal	2600	2350	2050
0.42	Walling	Double	2150	1750	1550
0.42	Walling	End	2150	1750	1550
0.48	Roofing	Internal	1600	1600	1600
0.48	Roofing	Double	1200	1200	1200
0.48	Roofing	End	1200	1200	1200
0.48	Walling	Internal	2700	2450	2100
0.48	Walling	Double	2350	1950	1700
0.48	Walling	End	2350	1950	1700

Five Fasteners (Determined by Wind Speeds for Non-Cyclonic Areas)

BMT	Application	Span Type	Wind Class N1	Wind Class N2	Wind Class N3
0.42	Roofing	Internal	1200	1200	1200
0.42	Roofing	Double	900	900	900
0.42	Roofing	End	900	900	900
0.42	Walling	Internal	2600	2300	2100
0.42	Walling	Double	2150	1900	1750
0.42	Walling	End	2150	1900	1750
0.48	Roofing	Internal	1600	1600	1600
0.48	Roofing	Double	1200	1200	1200
0.48	Roofing	End	1200	1200	1200
0.48	Walling	Internal	2700	2500	2300
0.48	Walling	Double	2350	2100	1900
0.48	Walling	End	2350	2100	1900

The values are for use with steel supports with a minimum thickness of 0.75mm, G550.

Fixing Recommendations

Corrugated sheets should be laid into the prevailing wind and sit neatly on the preceding roof sheet, with a side lap of 1.5 corrugations, as shown in the laying procedure below. They should be fixed within the recommended support spacings. Avoid 'stretching' the width of the sheet when installing, as this could allow wind and rain to enter. Side lap fixing is recommended to maintain a weather proof seal and to secure the overlap especially

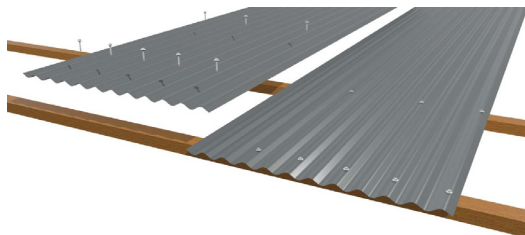
when the roof is walked on occasionally. This is best done with either 8 x 12mm self drilling stitching screws or a 3.2mm blind rivet (rivets should be sealed to prevent water penetration). It is recommended side lap fasteners are secured mid-span, when spans exceed 900mm for roofing and 1200mm for walling.

On roofing, at the end of the sheets, the valleys of each corrugation should be turned up at crest of the roof using a turn up tool.

Roof Laying Procedure

Prevailing Wind >>

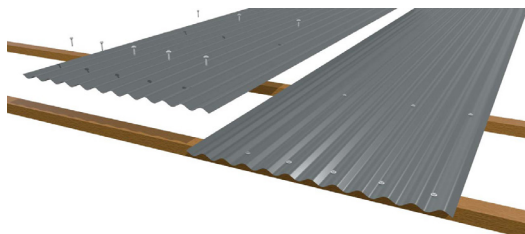
<<Laying Direction



Wall Laying Procedure

Prevailing Wind >>

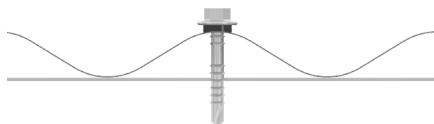
<<Laying Direction



Fastener Selection

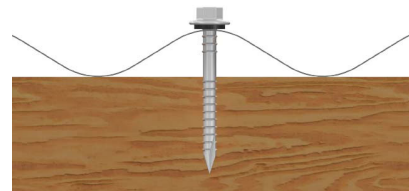
Fixing to Steel Roofing

12 x 35mm or 13 x 50mm
Self drilling and tapping screw
with neoprene washer



Fixing to Timber Roofing

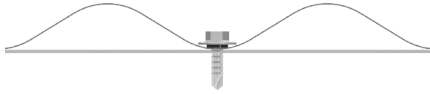
12 x 50mm or 13 x 50mm
Type 17 hex head screw
with neoprene washer



*When fixing to 0.55mm thick roof battens; crest fix with 13 x 50mm TS self drilling screws with neoprene washers. Indicated spans will still apply.

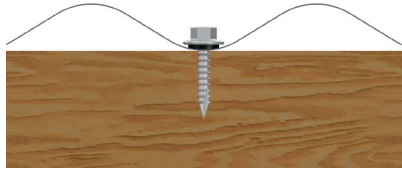
Fixing to Steel Walling

10 x 16mm
Self drilling and tapping screw
with neoprene washer



Fixing to Timber Walling

12 x 25mm
Type 17 hex head screw
with neoprene washer



Fasteners

Fastening screws are to be hexagon headed and must be used with sealing washers for both roofing and walling.

Corrugated roofing screws - Non-cyclonic pierce fixing		
Type	Fixing to timber	Fixing to steel
Crest fixed	12 x 50 T17	13 x 50 Zip
Valley fixed	12 x 25 T17	10 x 16 SDS

Fastener Positions

Roofing

Three Fastener Location (internal supports)



Roofing

Five Fastener Location (end supports and end laps)



Walling

Three Fastener Location (internal supports)

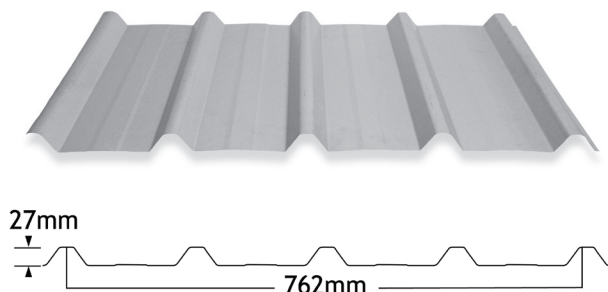


Walling

Five Fastener Location (end supports and end laps)



Five Rib



Strong, yet lightweight and easy to use, Five Rib is a high tensile roof and wall sheeting, perfect for many applications in both the domestic and commercial market. With great weather resistance it is excellent for low pitched roofs or long spans and is widely used in industrial applications. Five Rib is available in a huge range of Colorbond® colours as well as Zinalume®.

Material Specifications

Material Properties	Finish	0.35BMT	0.42BMT	0.48BMT
Total Coated Thickness (TCT) mm	Zinalume®	0.4	0.47	0.53
	Colorbond®	0.43	0.5	0.56
Mass (kg/linear metre)	Zinalume®	2.74	3.26	3.7
	Colorbond®	2.79	3.32	3.76
Mass (kg/square metre)	Zinalume®	3.6	4.28	4.86
	Colorbond®	3.67	4.35	4.93
Yield (square metre/tonne)	Zinalume®	277.9	233.8	205.9
	Colorbond®	272.3	229.8	202.8
Tensile Strength (MPa)	Zinalume® and Colorbond®	550	550	550
Width Coverage (mm)	Zinalume® and Colorbond®	762	762	762
Sheet Tolerances (mm)	Length and Width	±5 ±2	±5 ±2	±5 ±2
Minimum Roof Pitch	Zinalume® and Colorbond®	N/A	2°	2°

The minimum roof pitch for Five Rib is 2°. The 762mm coverage of Five Rib provides easy handling and installation. Five Rib roofing is subject to thermal expansion, particularly on darker colours. The maximum length before an expansion joint is required is 24 metres for lighter colours, and 16 metres for darker colours.

Spans (mm)

Determined by Wind Speeds for Non-Cyclonic Areas

BMT	Application	Span Type	Wind Class N1	Wind Class N2	Wind Class N3
0.42	Roofing	Internal	1700	1700	1700
0.42	Roofing	Double	1350	1350	1350
0.42	Roofing	End	1350	1350	1350
0.42	Walling	Internal	3000	3000	2700
0.42	Walling	Double	2900	2250	1950
0.42	Walling	End	2900	2250	1950
0.48	Roofing	Internal	2300	2300	2300
0.48	Roofing	Double	1700	1700	1700
0.48	Roofing	End	1700	1700	1700
0.48	Walling	Internal	3000	3000	3000
0.48	Walling	Double	3000	2700	2550
0.48	Walling	End	3000	2700	2550

The values in the above table is for use with steel supports with a minimum thickness of 0.75mm, G550.

Fixing Recommendations

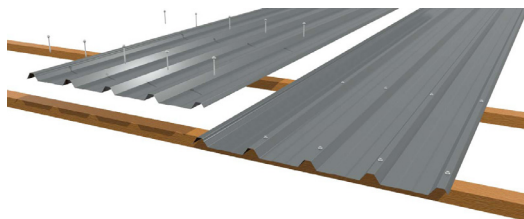
Five Rib sheets should be laid into the prevailing wind and sit neatly on the preceding roof sheet, as shown in the laying procedure below. They should be fixed at the recommended support spacings. Avoid 'stretching' the width of the sheet when installing, as this could allow wind and rain to enter. Due to its higher rib height, flashing turn downs into the pan of Five Rib should always be notched around the rib to provide maximum weather tightness.

Pan fixing is only suitable for walling, carport and verandah applications or where weather tight roofing is not essential. When spans exceed 900mm for roofing or 1200mm for walling, it is recommended the side laps are fixed at mid-span to ensure a weatherproof seal and to secure the overlap, especially when the roof is walked on occasionally. Use either 8 x 12mm self drill stitching screws or 3.2mm sealed blind rivets. On roofing, at the end of the sheets, the pans should be turned up at crest of the roof and down into the gutter using a turn up/down tool.

Roof Laying Procedure

Prevailing Wind >>

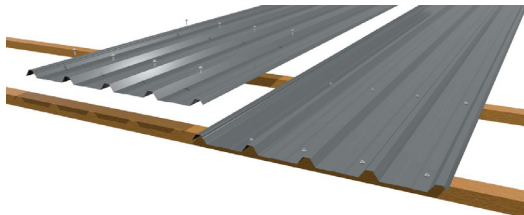
<<Laying Direction



Wall Laying Procedure

Prevailing Wind >>

<<Laying Direction



Fastener Selection

Fixing to Steel Roofing

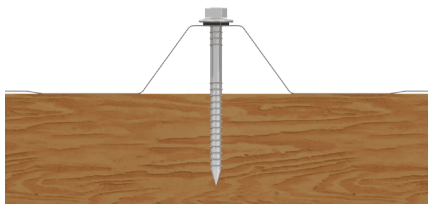
12 x 45mm or 13 x 50mm
Self drilling and tapping screw
with neoprene washer



*When fixing to 0.55mm thick roof battens; crest fix with 13 x 50mm TS self drilling screws with neoprene washers. Indicated spans will still apply.

Fixing to Timber Roofing

12 x 65mm or 13 x 50mm
Type 17 hex head screw
with neoprene washer



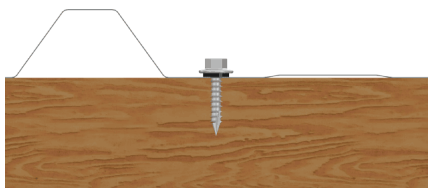
Fixing to Steel Walling

10 x 16mm
Self drilling and tapping screw
with neoprene washer



Fixing to Timber Walling

12 x 25mm
Type 17 hex head screw
with neoprene washer



The above fastener sizes are suitable for fixing over an insulation blanket up to 55mm thick, for thicknesses up to 100mm, the next standard screw length to that indicated is to be used.

Fasteners

They are to be hexagon headed and must be used with sealing washers for both roofing and walling.

Five Rib roofing screws - Non-cyclonic pierce fixing		
Type	Fixing to timber	Fixing to steel
Crest fixed	12 x 65 T17	13 x 50 Zip
Valley fixed	12 x 25 T17	10 x 16 SDS

Fastener Positions

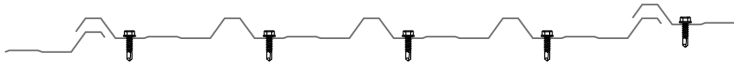
Roofing

One fixing per crest

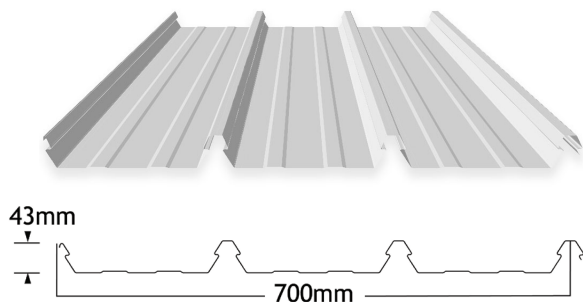


Walling

One fixing per pan, fasten adjacent to the overlapping rib



Conceal Fix



Conceal Fix benefits from a strong, clean finish without any visible fixings utilising a revolutionary concealed clip. It is ideal for long length roofing in both domestic and commercial applications, due to its allowance for thermal expansion and contraction. The unique design of Conceal Fix including the high ribs and deep pans mean that it is suitable for areas with high rainfall whilst allowing for a roof pitch as low as 1°. This decking system allows for an unrivalled wind load performance and uniform bird proofing. Conceal Fix is available in a huge range of Colorbond® colours as well as Zinalume®.

Material Specifications

Material Properties	Finish	0.42BMT	0.48BMT
Total Coated Thickness (TCT) mm	Zinalume®	0.47	0.53
Total Coated Thickness (TCT) mm	Colorbond®	0.5	0.56
Mass (kg/linear metre)	Zinalume®	3.26	3.7
Mass (kg/linear metre)	Colorbond®	3.32	3.76
Mass (kg/square metre)	Zinalume®	4.66	5.28
Mass (kg/square metre)	Colorbond®	4.74	5.37
Yield (square metre/tonne)	Zinalume®	214.6	189.4
Yield (square metre/tonne)	Colorbond®	211	186.2
Tensile Strength (MPa)	Zinalume® and Colorbond®	550	550
Width Coverage (mm)	Zinalume® and Colorbond®	700	700
Sheet Tolerances (mm)	Length and Width	±5	±5
Minimum Roof Pitch	Zinalume® and Colorbond®	1°	1°

Spans (mm)

Three Fasteners Per Clip (Determined by Wind Speeds for Non-Cyclonic Areas)

BMT (mm)	Application	Span Type	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)
0.42	Roofing	Single	2000	1750	1250	–
0.42	Roofing	End	2200	2100	1550	–
0.42	Roofing	Internal	2300	2300	1650	–
0.42	Walling	Single	2850	2050	1750	900
0.42	Walling	End	3000	2400	1950	1350
0.42	Walling	Internal	3200	2900	2250	1650
0.48	Roofing	Single	2200	1900	1600	–
0.48	Roofing	End	2950	2300	2000	1300
0.48	Roofing	Internal	3100	2850	2300	1400
0.48	Walling	Single	3000	2300	1900	1250
0.48	Walling	End	3250	2750	2300	1800
0.48	Walling	Internal	3600	3250	2850	2100

Five Fasteners Per Clip (Determined by Wind Speeds for Non-Cyclonic Areas)

BMT (mm)	Application	Span Type	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)
0.42	Roofing	Single	2000	1900	1500	–
0.42	Roofing	End	2200	2200	1750	1300
0.42	Roofing	Internal	2300	2300	2050	1550
0.42	Walling	Single	2850	2250	1900	1200
0.42	Walling	End	3200	2650	2250	1850
0.42	Walling	Internal	3600	3100	2250	2150
0.48	Roofing	Single	2200	1900	1600	–
0.48	Roofing	End	2950	2300	2050	1550
0.48	Roofing	Internal	3100	2950	2400	2000
0.48	Walling	Single	3000	2250	1900	1450
0.48	Walling	End	3600	2850	2300	2050
0.48	Walling	Internal	3600	3350	2950	2550

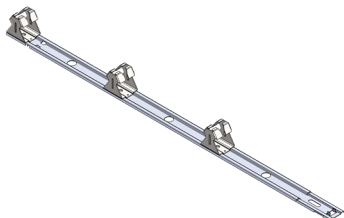
These values are for use with steel supports with a minimum thickness of 0.95mm, G550.

Concealed Clip

The most important feature of Conceal Fix is the single piece concealed clip. Its innovative design ensures maximum performance of the roofing, superior spanning and ease of installation. It is suitable for a variety of industrial and commercial uses, and can be used where a low roof pitch is required and security is important. Buildings such as shopping centres, hospitals, industrial storage, factories and warehouses lend themselves to this style

of roofing for its strong, reliable, no fuss application.

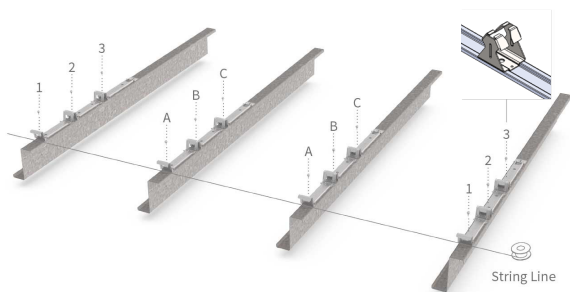
- Specially designed single piece galvanised steel roof clip eliminates the possibility of mechanical failure
- The clip is simply fastened onto the purlin and the roof deck locks straight onto the clip for fast and easy installation
- The secure locking action ensures the deck is water tight and protects against entry
- All fasteners are covered by the deck helping to minimise fixing corrosion
- Specially designed recesses for fastening avoid denting the roof sheet
- Allows for bracket adjustment to accommodate out of square buildings or installer requirements



Installation

Step 1

Align the top and bottom clips of the first sheet along the purlins with the arrow pointing in the laying direction, and fasten in positions 1, 2 and 3 (refer to Step 1 below) using the number and type of fasteners specified. Run a string line between the two clips, or use the edge of the first deck to ensure all clips are in line. Mark the top, bottom and middle purlins at one metre from the starting line and at 700mm centres across the purlins. Use these marks to keep the sheets square. Align the remainder of the first run of clips to the string line and along the purlins. Fasten in position A, B and C (refer to Step 1 below) using the number and type of fasteners specified.

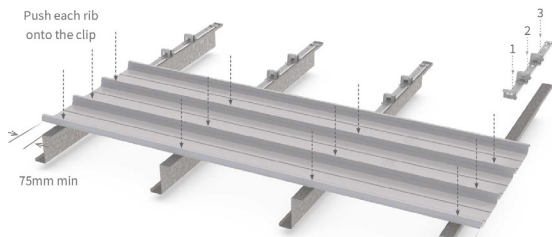


Step 2

Place the first sheet over the clips ensuring a minimum projection of 75mm at the ridge and into the gutter. Snap each rib onto the clip at every purlin using steady foot pressure, ensuring complete deck engagement at every rib on every clip (see the diagram below).

Hook the next run of clips over the last rib of the first sheet. The clips will align themselves and must be butted together for correct positioning. Align the hole with the slot and fasten at the joint first, then work along the bracket.

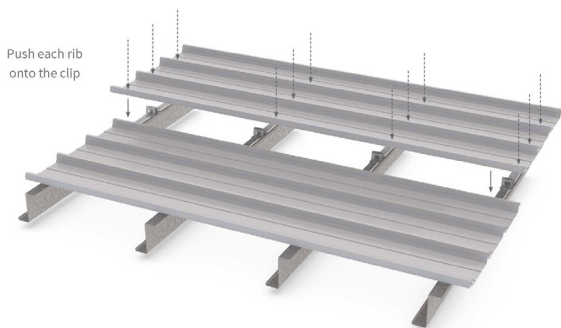
During laying, regularly check the sheets for fanning or creep. If minor adjustment is necessary, the clips can be pulled away from the sheet while fastening.



Step 3

Place the second sheet over the clips, ensure the end of the sheet aligns with the first sheet. Snap the deck onto the clips in the laying order using steady foot pressure and fully engage the interlocking rib onto each clip. It is important to ensure the deck is engaged on each rib, on every clip, and the deck is engaged along its entire length.

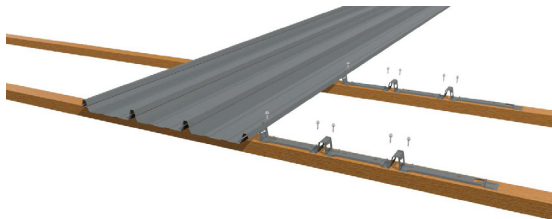
Install the remaining clips and sheets. Remember to frequently check the coverage to maintain squareness and adjust for creep where necessary. At the end of the purlin, cut the clips and deck where necessary to suit. To secure the final sheet edge, cut the end off the bracket, hook over the last rib and fasten. Finally, remember to turn up the pans at the gutter end.



Roof Laying Procedure

Prevailing Wind >>

<<Laying Direction

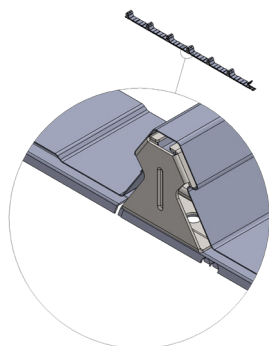


Fastener Selection

Fixing to Steel Roofing

12 x 20mm

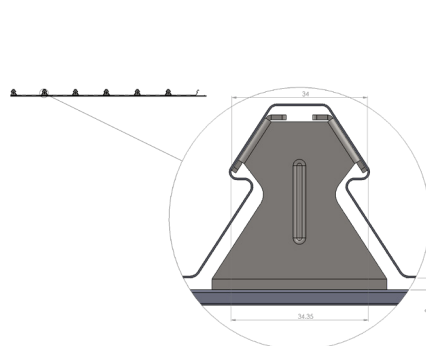
Hex head self drilling and tapping



Fixing to Timber Roofing

12 x 25mm

Type 17 hex head screw

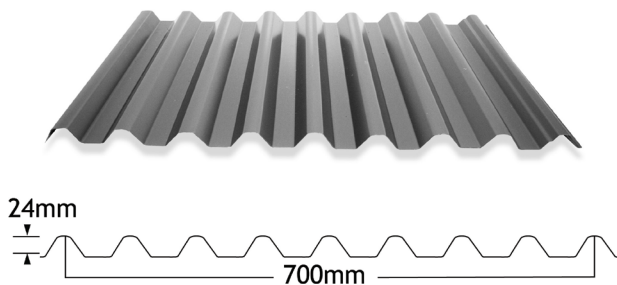


Fasteners

- Self drilling and tapping screws should NOT use neoprene washers when securing clips to purlins.
- The minimum number of screws along the clip is three, one at each end and one centrally. For additional strength, five screws may be used.
- The below fastener sizes are suitable for fixing over an insulation blanket up to 55mm thick. For thickness up to 100mm, the next standard screw length to that indicated is to be used.

Support	Support Thickness (mm)	Insulation	Fastener Type	Fastener Size (mm)
Steel	≤2.5	No	Hex head self drilling screw	No.10 - 16x16
		Yes	Hex head self drilling screw	No.10 - 16x25
	<2.5 ≤5.0	No	Hex head self drilling screw	No.10 - 24x16
		Yes	Hex head self drilling screw	No.10 - 24x25
	>5.0	No	Drill 4.5mm tapping hole	No.10 - 24x25
		Yes	Drill 4.5mm tapping hole	No.10 - 24x25
Timber	>100	No or Yes	Type 17 self drilling wood screws	No.10 - 12x30

Span Roofing



Very versatile and contemporary, Span Roofing has a square corrugated profile. Its nine-rib design provides maximum strength, making it ideal when a strong but simple appearance is desired. Span Roofing is suitable for both domestic and industrial applications and is available in a huge range of Colorbond® colours as well as Zinalume®.

Material Specifications

Material Properties	Finish	0.42BMT	0.48BMT
Total Coated Thickness (TCT) mm	Zinalume®	0.47	0.53
Total Coated Thickness (TCT) mm	Colorbond®	0.5	0.56
Mass (kg/linear metre)	Zinalume®	3.26	3.7
Mass (kg/linear metre)	Colorbond®	3.32	3.76
Mass (kg/square metre)	Zinalume®	4.66	5.28
Mass (kg/square metre)	Colorbond®	4.74	5.37
Yield (square metre/tonne)	Zinalume®	214.6	189.4
Yield (square metre/tonne)	Colorbond®	211	186.2
Tensile Strength (MPa)	Zinalume® and Colorbond®	550	550
Width Coverage (mm)	Zinalume® and Colorbond®	700	700
Sheet Tolerances (mm)	Length and Width	±5 ±2	±5 ±2
Minimum Roof Pitch	Zinalume® and Colorbond®	2°	2°

Spans (mm)

Three Fasteners (Determined by Wind Speeds for Non-Cyclonic Areas)

BMT (mm)	Application	Span Type	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)
0.42	Roofing	Single	1350	1350	1350	-
0.42	Roofing	End	1800	1800	1700	-
0.42	Roofing	Internal	2400	2000	1800	-
0.42	Walling	Single	2300	1950	1750	1500
0.42	Walling	End	3000	2300	1950	1550
0.42	Walling	Internal	3300	2500	2000	1750
0.48	Roofing	Single	2000	1850	1500	-
0.48	Roofing	End	2300	2100	1800	-
0.48	Roofing	Internal	3000	2350	2000	-
0.48	Walling	Single	2350	2100	1850	1750
0.48	Walling	End	3000	2350	2100	1850
0.48	Walling	Internal	3400	2950	2350	1950

Four Fasteners (Determined by Wind Speeds for Non-Cyclonic Areas)

BMT (mm)	Application	Span Type	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)
0.42	Roofing	Single	1350	1350	1350	1350
0.42	Roofing	End	1800	1800	1800	1500
0.42	Roofing	Internal	2400	2400	2250	1600
0.42	Walling	Single	2550	2050	1900	1750
0.42	Walling	End	3200	2650	2150	1800
0.42	Walling	Internal	3500	3100	2750	1950
0.48	Roofing	Single	2000	2000	1800	1700
0.48	Roofing	End	2300	2300	2100	1750
0.48	Roofing	Internal	3000	2850	2350	2000
0.48	Walling	Single	2600	2250	2050	1950
0.48	Walling	End	3300	2700	2300	2150
0.48	Walling	Internal	3600	3300	2850	2400

Fixing Recommendations

Span Roofing sheets should be laid into the prevailing wind and sit neatly on the preceding roof sheet, as shown in the laying procedure below. They should be fixed within the recommended support spacings. Avoid 'stretching' the width of the sheet when installing, as this could allow wind and rain to enter. If the spans exceed 900mm for roofing or 1200mm for walling, it is recommended that side lap fasteners are used at mid-span. Side lap fixing will help maintain a weather proof seal and will secure the overlap especially when the roof is walked on occasionally. This is best done with either 8 x 12mm self drilling stitching

screws or a 3.2mm blind rivet (rivets should be sealed to prevent water penetration). On roofing, at the end of the sheets, the valleys of each corrugation should be turned up at crest of the roof and down into the gutter using a turn up/down tool.

Fixing and Laying Directions

Note: The following recommendations apply to non-cyclonic areas.

- All fasteners must have neoprene washers.
- Roofing and walling - Internal supports require 3 fasteners per sheet. End supports and laps require 4 fasteners per sheet.
- Side lap fixing is recommended to maintain a weather proof seal and secure the overlap, especially when the roof is walked on occasionally. Use either 8x12mm self drill stitching screws or 3.2 mm sealed blind rivets.
- It is recommended side lap fasteners are secured mid span when spans exceed 900mm for roofing and 1200mm for walling.
- The following fastener sizes are suitable for fixing over an insulation blanket up to 55mm thick. For thicknesses up to 100mm, the next standard screw length to that indicated is to be used.

Roof Laying Procedure

Prevailing Wind >>

<<Laying Direction



Fastener Selection

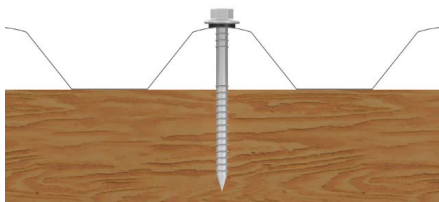
Fixing to Steel Roofing

12 x 45mm or 13 x 50mm
Hex head self drilling and tapping
screw with neoprene washer



Fixing to Timber Roofing

12 x 65mm
Type 17 hex head screw
with neoprene washer



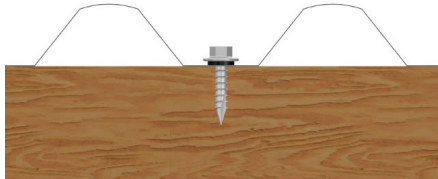
Fixing to Steel Walling

10 x 16mm
Hex head self drilling and tapping
screw with neoprene washer



Fixing to Timber Walling

12 x 25mm
Type 17 hex head screw
with neoprene washer



* If fixing to 0.55mm thick roof battens, crest fix with 13 x 50mm TS self drilling screws with neoprene washers. Indicated spans will still apply.

Fastener Positions

Roofing

Three fastener location - Internal supports



Roofing

Four fastener location - End supports and end laps



Walling

Three fastener location - Internal supports

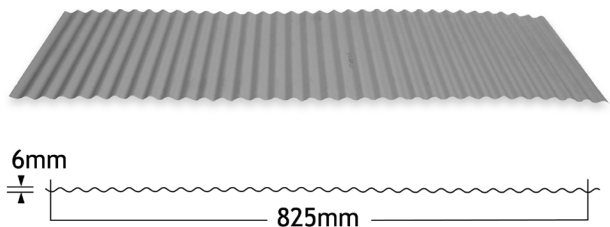


Walling

Four fastener location - End supports and end laps



Mini Corrugated



Mini Corrugated is a visually attractive profile made with clean modern lines. It is very popular in urban housing and is an ideal choice for ceilings, walls, awnings, feature panelling and soffits. Mini Corrugated is available in a huge range of Colorbond® colours as well as Zinalume®.

Material Specifications

Material Properties	Finish	0.35BMT	0.42BMT	0.48BMT
Total Coated Thickness (TCT)mm	Zinalume®	0.4	0.47	0.53
Total Coated Thickness (TCT)mm	Colorbond®	0.415	0.485	0.545
Mass (kg/linear metre)	Zinalume®	2.74	3.26	3.7
Mass (kg/linear metre)	Colorbond®	2.8	3.32	3.76
Mass (kg/square metre)	Zinalume®	3.32	3.95	4.48
Mass (kg/square metre)	Colorbond®	3.39	4.02	4.56
Yield (square metre/tonne)	Zinalume®	301	253	223
Yield (square metre/tonne)	Colorbond®	295	249	219
Tensile Strength (MPa)	Zinalume® and Colorbond®	550	550	550
Width Coverage (mm)	Zinalume® and Colorbond®	825	825	825
Sheet Tolerances (mm)	Width	±4	±4	±4
Sheet Tolerances (mm)	Length	±0 ±15	±0 ±15	±0 ±15

Spans (mm)

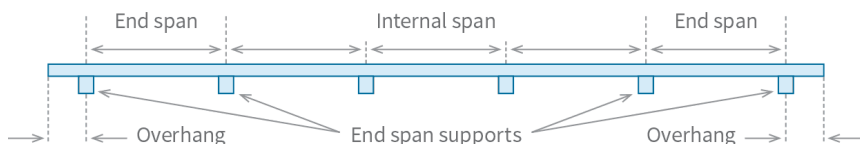
Span Type	0.35BMT	0.42BMT	0.48BMT
Single	800	900	1000
End	900	1000	1100
Internal	1000	1200	1300

* The spans shown above are suitable for buildings that are in non-cyclonic conditions and are up to 8.5m high. Spans are based on a maximum wind classification of N3 (W41N).

Installation Information

It is best to use at least two people when installing. Ensure the supporting structure is as rigid and flat as possible. Sheets should be overlapped by a minimum of one and a half corrugations. When installing Mini Corrugated, extra care must be paid to ensure a uniform and even finish is achieved.

When installing on a wall, the sheets may be placed with the corrugations running vertically, horizontally, or at an angle. Fasteners should be spaced in accordance with maximum recommended spans as well as the fixing recommendations below. The sheet should be fixed to all battens and studs that make contact with it, to prevent any noise created when the sheets flex from pressure changes in the building. Mini Corrugated is best installed using ripple self drilling screws. These screws have a small head, which have been specifically designed to suit this product, and types to suit both timber and steel are available.



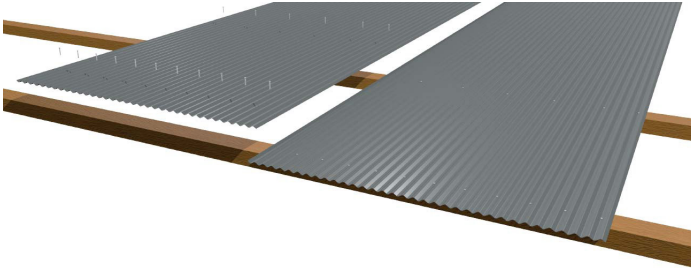
Installing Mini Corrugated

To install Mini Corrugated work out how many sheets are required to cover the area, ensuring that the sheets are overlapped with equal spacings. Begin fixing the sheet at the centre of one edge and work out toward the other end of the sheet. Place each row of fasteners parallel with the first row. If the sheet is 3,000mm long or over, be careful to ensure the sheet remains straight along its top and bottom edge. When installing the screws, do not flatten the corrugations through excessive force, as this will make the sheet wider, and therefore effect your measurements. End laps are not recommended for aesthetics, but they are possible if required. Mini Corrugated may be spring curved to a radius as low as 2,000mm. However, it is recommended that the support spacings be reduced to the equivalent of single spans for radii of 6,000mm or less.

Wall Laying Procedure

Prevailing Wind >>

<<Laying Direction



Fastener Selection

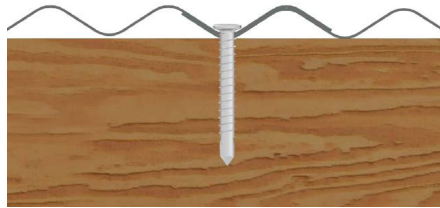
Fixing to Steel

10 x 16 mm
Ripple self drilling and tapping screw



Fixing to Timber

10 x 30 mm
Type 17 ripple self drilling and tapping screw



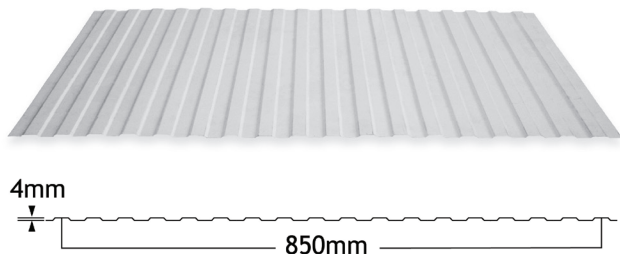
Fastener Positions

Valley Fixing

Six fasteners every sixth valley



Mini Rib



Mini Rib is a perfect wall cladding solution due to its thin, attractive and versatile profile. It is designed to be understated with a low fluted profile appearance, making it an ideal choice for use on ceilings, walling, garage doors, fascias, screens and barge boards. It can be used both internally or externally and on straight or curved surfaces. Mini Rib is suitable for both domestic and industrial applications and is available in a huge range of Colorbond® colours as well as Zinalume®.

Material Specifications

Material Properties	Finish	0.42BMT
Total Coated Thickness (TCT)mm	Zinalume®	0.47
Total Coated Thickness (TCT)mm	Colorbond®	0.5
Mass (kg/linear metre)	Zinalume®	3.26
Mass (kg/linear metre)	Colorbond®	3.32
Mass (kg/square metre)	Zinalume®	3.84
Mass (kg/square metre)	Colorbond®	3.91
Yield (square metre/tonne)	Zinalume®	260.7
Yield (square metre/tonne)	Colorbond®	256
Tensile Strength (MPa)	Zinalume® and Colorbond®	550
Width Coverage (mm)	Zinalume® and Colorbond®	850
Sheet Tolerances (mm)	Length and Width	±5 ±2

Spans (mm)

Determined by Wind Speeds for Non-Cyclonic Areas

BMT (mm)	Span Type	N1 (W28)	N2 (W33)	N3 (W41)
0.42	Single	1200	1100	900
0.42	End	1350	1200	1000
0.42	Internal	1350	1200	1000
0.42	Overhang	150	150	150

Values applicable for use with steel supports of minimum 0.75mm thickness, G550.

Installation

Fixing Information

Note:

- For overlapping or edge lap applications, use side lap fasteners at every 200mm to 300mm centres.
- When using end laps, allow at least 75mm per lap.
- Fasteners should be placed at the side or adjacent to it.
- To ensure a quality finish, fasteners at the ends of Mini Rib sheets should be placed in every second valley.
- For intermediate support applications, it is recommended that four fasteners be used at equal spacings across the sheet.
- For fastening the Mini Rib to steel supports of up to 5mm thick, use 8x12mm wafer head self drilling and tapping screw or 4.8mm aluminium blind rivet.
- For fastening to timber, use 2.8mm x 25mm clout, or 8 x 25mm pan head self tapping wood screw.

Coverage Details			
Joining Method	Cover (mm)	Mass (kg/m ²)	Yield m ² tonne
Overlapping Flute	850	3.9	256
Edge Lapped	900	3.7	271
Butt Joined	915	3.6	276

Fixing Recommendations

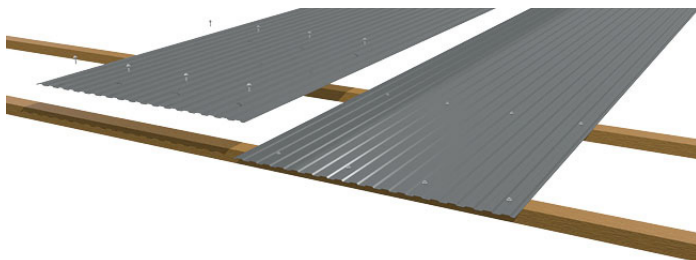
Note: The following recommendations apply to non-cyclonic areas.

- All fasteners must have neoprene washers to prevent water penetration.
- Side lap fixing is recommended at no greater than 300mm centres for external applications. For internal applications where support spacings exceed 1000mm it is recommended side laps are fastened mid-span. Use either 8x12mm self drill stitching screws (with seal) or 3.2 mm sealed blind rivets.
- The below fastener sizes are suitable for fixing over an insulation blanket up to 55mm thick. For thicknesses up to 100mm, the next standard screw length to that indicated is to be used.

Wall Laying Procedure

Prevailing Wind >>

<<Laying Direction



Fastener Selection

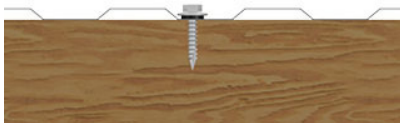
Fixing to Steel

10 x 16 mm
Self drilling screw with
neoprene washer



Fixing to Timber

12 x 25 mm
Type 17 hex head with
neoprene washer



* Wafer head without neoprene washer will not provide waterproofing

Fastener Positions

Walling Fastener Location



Curving Quality



Concave



Convex



Bullnose



Barrel Vault

A traditional sheeting with modern applications, curving quality adds an attractive feature to any building whilst preserving strong, clean lines. Corrugated Curving sheets can be pre-curved by Queensland Sheet Metal into a variety of forms to produce concave or convex curves, bullnose roofing, or barrel vaulting, in either concave or convex arrangements.

Spans (mm)

Determined by Wind Speeds for Non-Cyclonic Areas

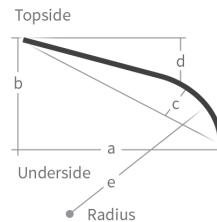
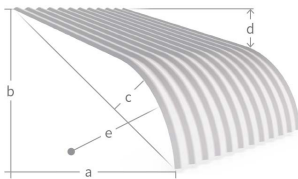
BMT	Application	Internal Span	End Span
0.6	Roofing	1800	1600
0.6	Walling	3000	2900

Minimum recommended curving radius is 450mm. Sheet coverage is 762mm.

Sheet Length and Curving Calculation Procedures

Bullnose Forming

Recommended minimum radius 450mm. Maximum sheet length 6,000mm.



Step 1

Dimensions Required:

- Width of the Verandah – wall to outside face of fascia beam (X).
- Height of the Verandah – top of fascia beam to underside of verandah sheet (Y).
- Plot these lines to scale on graph paper.

Step 2

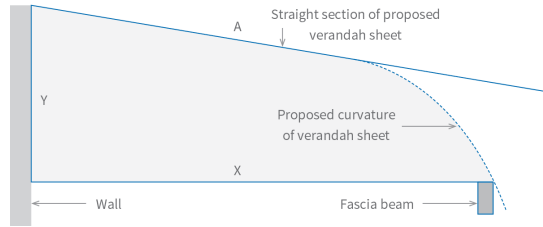
- Draw the straight section of sheet (A) at the required fall.

Note: Corrugated is not recommended for a pitch of less than 5°.

Step 3

- Determine the radius of curvature.

Note: The recommended minimum radius of curving is 450mm. Queensland Sheet Metal takes no responsibility for deformation that may occur from smaller radii.



Step 4

- Set a compass to the radius of curvature and scribe arcs from both ends of line (A).
- Connect arc tangents to form parallel line (B).
- Set the compass point to the top front corner of the fascia beam (C) and scribe an arc to intersect line B.
- From this intersection (D) set the compass point and scribe an arc from line (A) to a point 50mm past the fascia (E).

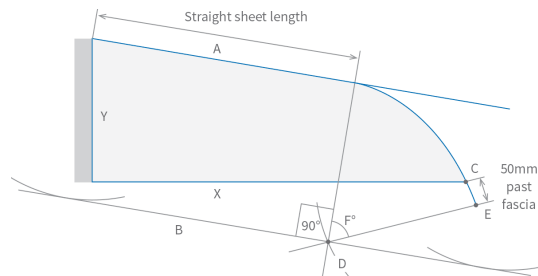
Step 5

Calculating the roof sheet length:

- Extend a perpendicular line from point (D) to intersect line (A).
- Draw a line from point (D) to point (E).
- Measure the resulting angle (F).
- Measure the length of the straight sheet.
- Calculate the length of curvature using the following formula:

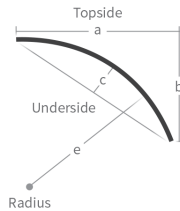
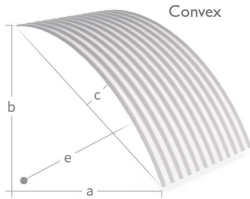
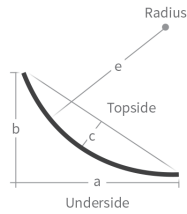
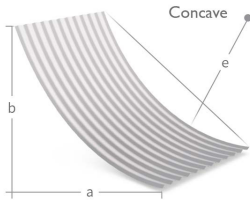
$$\frac{2\pi r \times \text{angle } (F^\circ)}{360}$$

- Add the length of straight sheet to the curve length to determine the total sheet length.



Concave and Convex verandahs

Recommended minimum radius 450mm. Maximum sheet length 6,000mm.



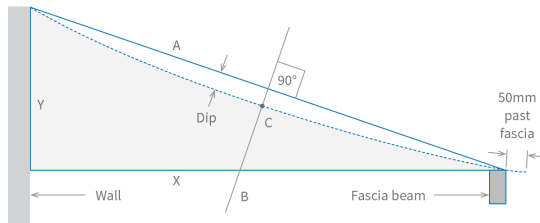
Step 1

Dimensions required:

- Width of the Verandah – wall to outside face of fascia beam (X).
- Height of the Verandah – top of fascia beam to underside of verandah sheet (Y).
- Plot these lines to scale on graph paper.

Step 2

- Draw a straight line (A) between the wall and fascia beam as shown in the figure below.
- Locate the mid-point of line (A) and plot a perpendicular line (B) from this point.
- Determine the required dip and plot the point of intersection (C) on line (B).

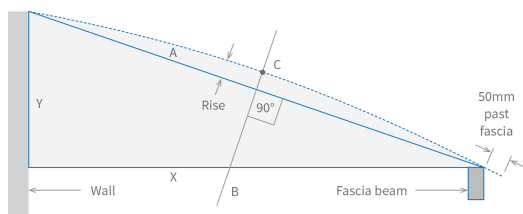


Step 3

- Using a flexible scale ruler, join the top and bottom of line (A) through point (C).
- Read the required sheet length from the scale ruler, allowing an additional 50mm past the fascia.

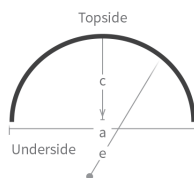
- If required, adjust the dip to effectively suit the fall into gutter.

Note: A minimum dip of 50mm is recommended for aesthetic reasons. For convex verandahs repeat Step 1 to 3, however, plot the intersection point (C) on the opposite side of line (A) at the convex rise.



Barrel Vaulting

Recommended minimum radius 450mm. Maximum sheet length 10,000mm.



Preferred Ordering Method

Note: Curving of corrugated will produce a minimum straight section at the end of the curve of at least 60mm. Queensland Sheet Metal takes no responsibility for deformation that may occur from smaller radii. Please contact Queensland Sheet Metal for further curving specifications.

Supply of profile template: Template must be provided at time of ordering. No responsibility will be accepted for sheets curved from drawings.

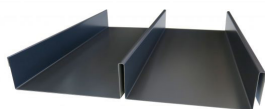
Ordering Information Required

- a – Distance from fascia front to wall.
- b – Distance from fascia height to wall attachment.
- c – Required dip for concave or rise for convex.
- d – Pitch angle from wall.
- r – Radius required.

Additional Information Required

- Number of sheets required.
- Sheet lengths required.
- Type of curve.
- If 50mm gutter overhang is required.
- Direction of laying.
- Type of material.
- If colour, is it required to topside or underside.

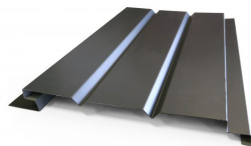
Architectural Cladding



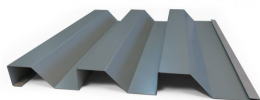
Oceania



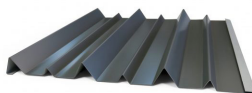
Horizon



Ravine



Alpine



Canyon

Queensland Sheet Metal is your local source for the latest architectural cladding in Brisbane. We have an excellent range of the latest generation cladding to make your exterior look like a designer's dream.

Our Architectural Cladding Range

Our new cladding is ideal for a wide range of architectural uses, from new builds to upgrades and renovations. If you're trying to find the perfect match of style and colour for top-quality exterior presentation, we have exactly what you need.

This new generation of durable, highly functional cladding is being called "The Next Big Thing" by expert designers and architects around the world. These very versatile, stylish materials are ideal for all types of architectural uses.

The new cladding is incorporated into designs for everything from shop fit outs to wall cladding and more. Metal wall cladding is very popular worldwide, and used in many different design contexts. At Queensland Sheet Metal, we have designed a number of standard profiles for you to use, but we're happy to work with our customers to achieve a bespoke look.

Arki clad Range

Queensland Sheet Metal offers a new series of architectural cladding. Our Arki clad Range can be manufactured in the following materials:

- Colorbond® Steel
- Zinc
- Copper
- 316 Grade 2B Stainless Steel and more

The Arkiclad Range offers a selection of options for style and appearance, including sleek stylish panels and patterned designs. This ultra-modern look is becoming very popular with new properties, delivering an excellent array of choices to display individuality.

Horizon Cladding Examples



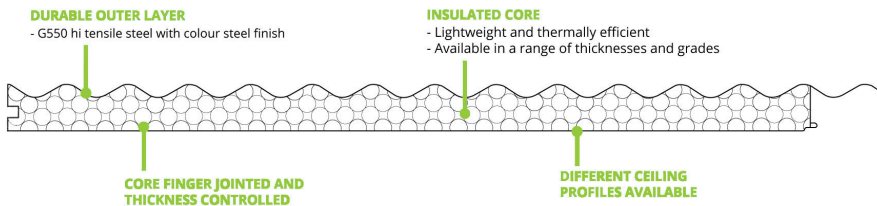
Corrugated Insulated Panels



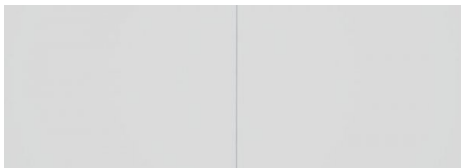
Corrugated Insulated Panels feature a corrugated profile which is a modern panel incorporating advanced production techniques that delivers the following range of benefits.

- An extensive range of contemporary colours
- Cost effective and low maintenance
- Capable of large unsupported spans
- High thermal properties to maintain year-round comfort
- Highly suited to the modern Australian home
- Superior performance and 15 year manufacturer's warranty
- Easy installation and cut to length to suit your requirements
- Sleek, contemporary ceiling finish
- Minimises noise from rain and storms
- Concealed ducting for electrical cables for a cleaner finish
- Minimum 5° roof pitch

Panel Structure



Plain White Ceiling Finish



Other ceiling finishes are available upon request. Also available in a cream colour at an additional cost.

Applications	Patios, verandahs and carports
Thickness	50mm, 75mm, 100mm, 125mm, 150mm*
Minimum Length	1600mm
Maximum Length	16000mm
Width / Coverage	1000mm

*Other thicknesses available on request

Colour Guide

Smooth Cream / Classic Cream™	
Off White / Surfmist®	
Merino / Paperbark®	
Gull Grey / Shale Grey™	
Birch / Dune®	
Coventry / Cove™	
Armour Grey / Windspray®	
Mist Green / Pale Eucalypt®	
Gulf / Gully™	
Manteal / Mangrove®	
Wallaroo / Wallaby®	
Jasmin Brown / Jasper®	
Heritage Red / Manor Red®	
Territory / Terrain®	
Basal / Basalt®	
Slate Grey / Woodland Grey®	
Monolith / Monument®	
Iron Grey / Ironstone®	
Caulfield Green / Cottage Green®	
Mountain Blue / Deep Ocean®	
Ebony / Night Sky®	
Zinc	

Note: All colours shown above are indicative only. Slight variations may occur from the pre-painted metal. Equivalent colour names listed are trademarks of Bluescope Steel Limited.

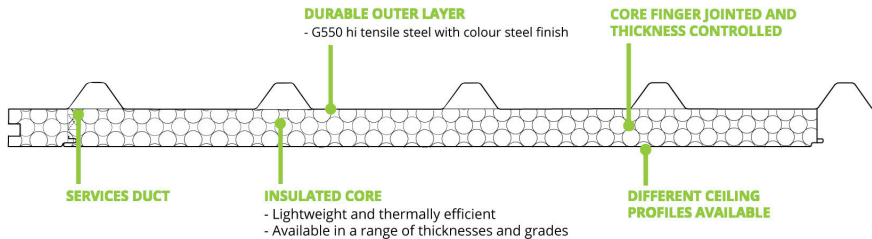
Five Rib Insulated Panels



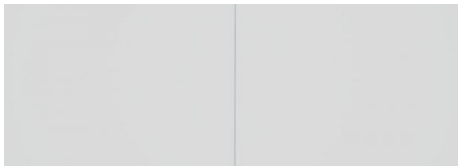
Five Rib Insulated Panels feature a high peak ribbed profile that has been designed and engineered to deliver the following features that offer superior performance and benefits.

- An extensive range of contemporary colours
- Cost effective and low maintenance
- Capable of large unsupported spans
- Exceptional water runoff at lower roof pitch angles
- Superior performance and 15 year manufacturer's warranty
- Easy installation and cut to length to suit your requirements
- Sleek, contemporary ceiling finish
- Minimises noise from rain and storms
- Concealed ducting for electrical cables for a cleaner finish
- Minimum 2° roof pitch

Panel Structure



Plain White Ceiling Finish



Other ceiling finishes are available upon request. Also available in a cream colour at an additional cost.

Applications	Patios, verandahs and carports
Thickness	50mm, 75mm, 100mm, 125mm, 150mm*
Minimum Length	1600mm
Maximum Length	16000mm
Width / Coverage	1000mm

*Other thicknesses available on request

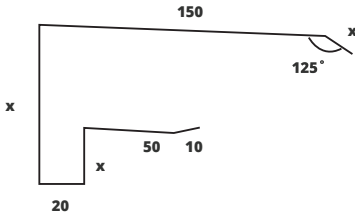
Colour Guide

Smooth Cream / Classic Cream™	
Off White / Surfmist®	
Merino / Paperbark®	
Gull Grey / Shale Grey™	
Birch / Dune®	
Coventry / Cove™	
Armour Grey / Windspray®	
Mist Green / Pale Eucalypt®	
Gulf / Gully™	
Manteal / Mangrove®	
Wallaroo / Wallaby®	
Jasmin Brown / Jasper®	
Heritage Red / Manor Red®	
Territory / Terrain®	
Basal / Basalt®	
Slate Grey / Woodland Grey®	
Monolith / Monument®	
Iron Grey / Ironstone®	
Caulfield Green / Cottage Green®	
Mountain Blue / Deep Ocean®	
Ebony / Night Sky®	
Zinc	

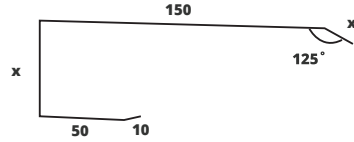
Note: All colours shown above are indicative only. Slight variations may occur from the pre-painted metal. Equivalent colour names listed are trademarks of Bluescope Steel Limited.

Insulated Panel Flashings

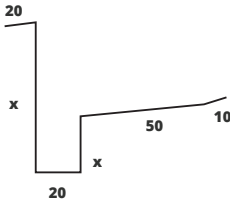
Standard Rear Barge



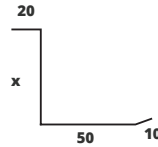
Rear Barge with No Drop Down



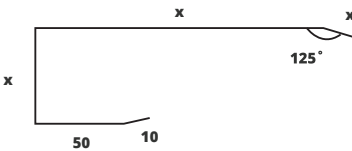
Standard Fascia Flashing



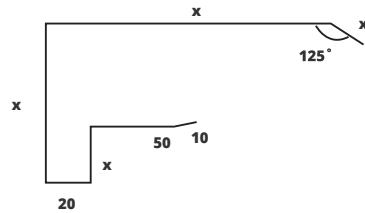
Fascia Flashing with No Drop Down



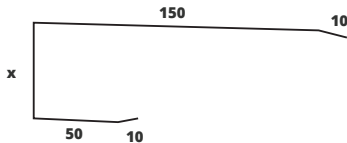
Standard Side Barge



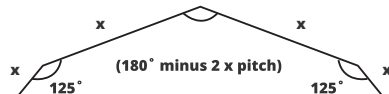
Side Barge with Drop Down



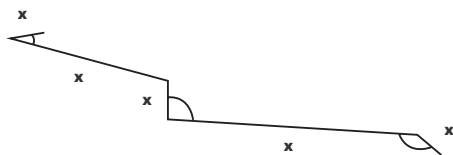
1.2mm Surfmist Receiver Channel



Three Break Ridge



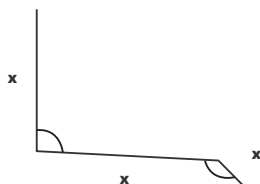
Change of Pitch Flashing - Option 1



Change of Pitch Flashing - Option 2



Apron Flashing



Note: Any lengths marked with an x will differ depending on the panel size that has been ordered.

Beams and Posts

Beams and Posts are available in White (Threadbo White), Primrose (Classic Cream™), Merino (Paperbark®) or Ebony (Night Sky®). It is possible to powdercoat in other colours but this will come at an additional cost.

Available Beam Sizes

- 100 x 65mm
- 150 x 65mm
- 200 x 65mm

Beams are all cut to length to suit your requirements.

Available Post Sizes

- 65 x 65
- 90 x 90
- 100 x 100

Posts are only available in set lengths. Please speak to a sales representative for more information.

Other Accessories

There is also a variety of other accessories such as screws, beam end caps and post end caps available upon request.

Polycarbonate

Polycarbonate Sheeting is an advanced plastic polymer available at Queensland Sheet Metal. It provides 99.9% protection from harmful UV rays and is available in a variety of colours, finishes and profiles. Queensland Sheet Metal's polycarbonate is a popular choice for any domestic application. It is lightweight, visually effective and easy to install and it is available in conjunction with polycarbonate accessories. Accessories include polyzips and weatherlocks.

Three Level Classification

Our Solasafe polycarbonate comes in five different options, ranging from levels 1 to 3. While all of the available options represent fantastic weather protection, there are different geographical traits which make the level choice an important decision.

Level 1 - Solasafe

This is the most popular polycarbonate sheeting used and provides maximum light to flood your space. The integral surface protection prevents UV degradation and ensures durability. Available in the below colours and profiles, except cream which is not available in the Five Rib profile.

Available Colours and Profiles



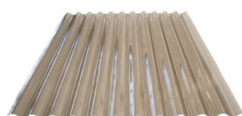
Clear



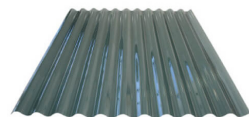
Opal



Cream



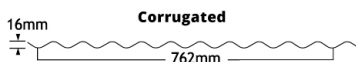
Light Bronze



Grey



Dark Tint



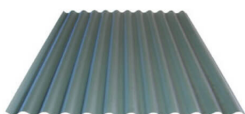
Level 2 – Solafrost

Solafrost builds on the trademark Solasafe roofing with an added matt texture on the underside of the polycarbonate sheeting. This ensures superior heat dispersion and less glare of direct sunlight.

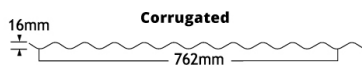
Available Colours and Profiles



Solafrost Clear



Solafrost Grey



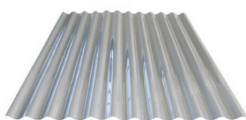
Level 3 – Solasafe HR1

Level 3 ensures 99.9% UV protection while also reflecting up to 80% of the sun's heat. Metallic particles reflect the heat, but let in soft, benign light to let your space glow.

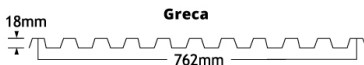
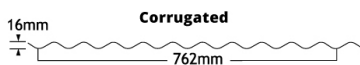
Available Colours and Profiles



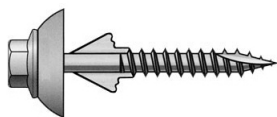
Pearl Ice



Silver Mist



Accessories



Polyzips



Weatherlock Washers

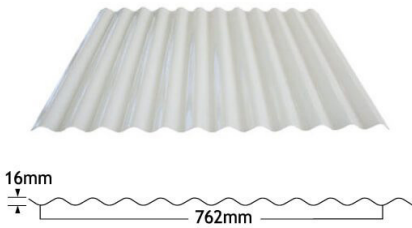
Fibreglass

Our fibreglass sheeting is perfect for a range of different commercial and residential applications. It is constructed to ensure low thermal expansion, meaning that high temperatures will not affect the size, shape or effectiveness of the material.

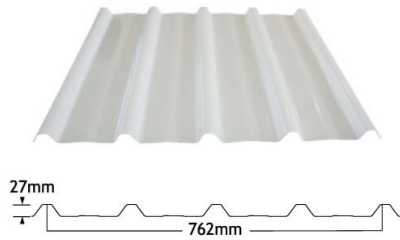
Using fibreglass for your roofing will ensure year round protection that is guaranteed to stand up to the harshest of Queensland conditions. You can trust our Australian made products to always provide the very best in roofing protection.

All of our fibreglass is available in Opal or Clear.

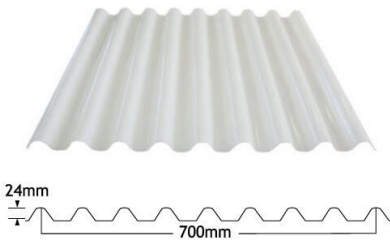
Available Profiles



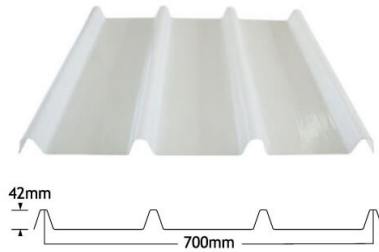
Corrugated



Five Rib



Span Roofing



Kliplok 700

Industrial Fibreglass Sheetting

Queensland Sheet Metal's most popular fibreglass sheeting is our 2400gsm series which is heavy duty, durable and lightweight, making it perfect for your workplace, warehouse or home. Our industrial fibreglass sheeting is also available in a 3050gsm series for those jobs that need that extra thickness.

Domestic Fibreglass

For a more cost effective alternative we can supply residential fibreglass roofing. Our domestic fibreglass is 1200gsm, affordable, lightweight and easy to install, making it a great fit for your home. Whether you're renovating or buying a new home, you can rely on fibreglass.

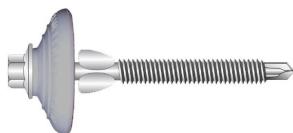
Premium Grade Fibreglass

Queensland Sheet Metal offers Wonderglas GC sheeting which is available in the 2400gsm or 3050gsm series with the extra protection of a gel coated surface. The 100 micron thick gel coat is integral with the sheet (chemically cross bonded), so no delamination is possible. The gel coated sheet surface becomes an almost impenetrable barrier that reduces surface erosion and loss of light transmission to negligible proportions. Over the life of the sheet, GC retains its strength and flexibility and does not lose tensile strength or become brittle as happens with film surface coated and other translucent materials. Wonderglas GC is available in all standard profiles.

Our Wonderglas GC range also comes with a 25-year warranty, meaning extra peace of mind for you.

Get in touch with our expert team to find out more about our great range of fibreglass sheeting.

Accessories



Stormmates

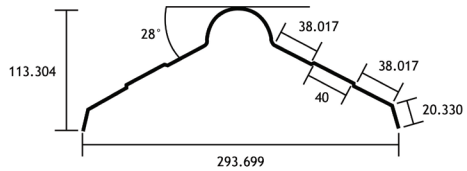


Weatherlock Washers

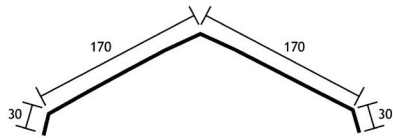
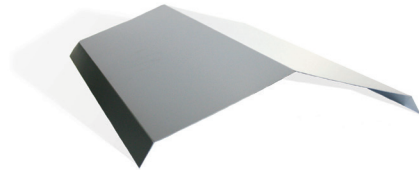
Ridge Capping

Queensland Sheet Metal offers Ridge Capping in a standard 0.40mm thickness. Roll Top Ridge Capping is traditionally used on Corrugated roofs to provide the classic Queensland look on the roofline. If you require an alternative to standard Roll Top Ridge Capping, Queensland Sheet Metal manufacture Three Break Ridge Capping. This product can be used on any roof and comes standard or can be made to your own specifications. Available in 0.40mm base metal thickness in Colorbond®, Zinalume®, and Galvanised.

Roll Top Ridge Capping



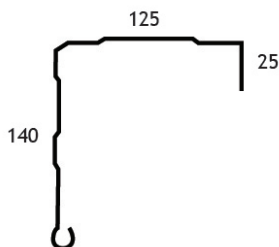
Three Break Ridge Capping



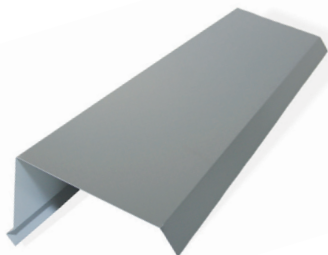
Barges

Queensland Sheet Metal offers different styles of Barge Capping to finish off roof edges. Square-Line Barge Capping is traditionally used as it provides a neat finish and Barge Flashings are alternative to Square-Line Barge Capping and are made to your own specifications. Available in Colorbond®, Zinalume®, and Galvanised.

Square-Line Barge Capping



Barge Flashings

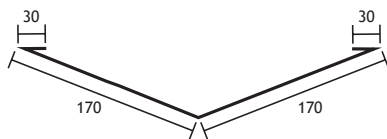
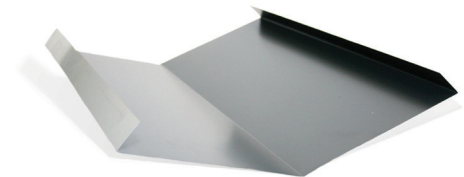


These are made to your own specifications.

Valleys

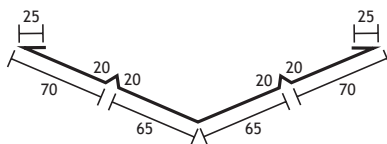
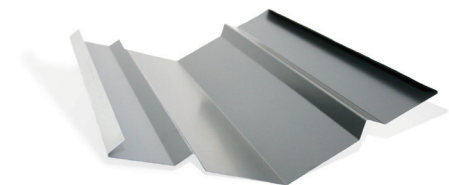
Valley

Queensland Sheet Metal manufacture a standard folded Valley that comes with a fold at the top to ensure fastness. It is available in Colorbond®, Zinalume®, and Galvanised.



Tile Valley

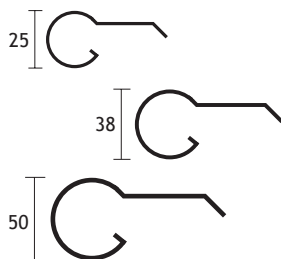
Tile Valley is standard throughout Queensland and is used predominantly on tiled roofs. Queensland Sheet Metal provides Tile Valley in both the standard 0.40mm or 0.55mm base metal thickness. Available in Colorbond®, Zinalume®, and Galvanised.



Gable Rolls

Queensland Sheet Metal manufactures Gable Rolls in a variety of sizes and finishes in order to fulfil any roofing needs. Gable Rolls are used to finish the end of a roof sheet when the sheet is flush with the end of a wall. They allow for a neat roll over without the worry of buckling.

Gable Rolls come in either 25mm, 38mm or 50mm size, as well as lengths including 1.8 metres and 2.4 metres. Gable rolls are available in Colorbond®, Zinalume®, and Galvanised.



Chinaman's Hats

Chinaman's Hats are custom made at Queensland Sheet Metal to your specific size and dimension requirements to ensure a neat fit and specialised job. Chinaman's Hats can prevent birds, water and smoky smells from entering your building. Smoky smells are prevented by keeping rain from coming down the flue and mixing with the creosote inside the chimney. Chinaman's Hats come in some standard sizing for ease of ordering or can be customised to suit your needs. Available in Colorbond® colours, Zinalume® and Galvanised.

Standard Sizing

- 100mm
- 125mm
- 150mm
- 200mm
- 250mm



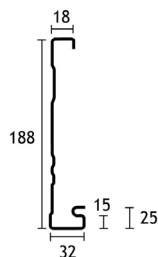


Rainwater

Fascia.....	66
Gutters.....	67 - 82
Downpipes.....	83 - 88

Fascia

Metal Fascia is a precision engineered product, delivered straight and true every time and it will never warp, shrink or splinter, unlike timber. Metal fascia is compatible with all of Queensland Sheet Metal's range of guttering profiles to create a versatile, great looking guttering system that complements steel or tiled roofs. Metal Fascia can be cut to any length with a minimum of 500mm however for ease of transport, a maximum length of 8.5m is suggested. It is available in Colorbond® and Zinalume®.



Accessories



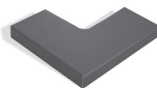
Rafter Bracket



Splice (Joiner) Plate



External Corner



Internal Corner



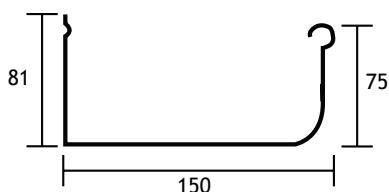
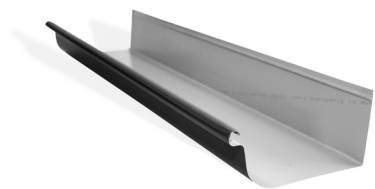
Left Barge Corner



Right Barge Corner

150 Quad Gutter

One of the most popular profiles to be used in homes throughout Australia, Queensland Sheet Metal's Quad Gutter comes in a variety of sizes to suit any roof line. The traditional 150mm Quad Gutter also comes in smaller and larger sizes in order to accommodate any style and capacity. With similar line, Quad Gutter comes in both 75mm and 100mm profiles for a more compact gutter. All Quad Gutter and accessories are available in Colorbond® colours as well as Zincalume®.



Accessories



Concealed Bracket



Spike Bracket



Stiffener Bracket



External T-Head Bracket



Overstrap Bracket



Flat Overstrap

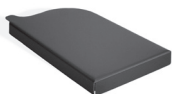
150 Quad Gutter Accessories Continued



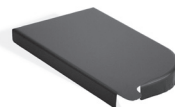
Patio Strap



Snap Clip



Left Stop End



Right Stop End



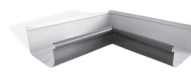
Left Return End



Right Return End



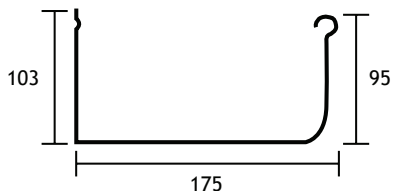
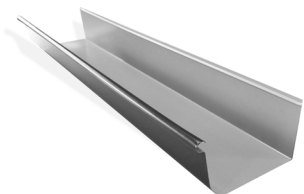
External Corner



Internal Corner

175 Quad Gutter

Queensland Sheet Metal's 175 Quad Gutter is an alternative to the traditional 150 Quad Gutter and is designed to cope with a higher volume of water and/or hide the roof line. All Quad Gutters and accessories are available in Colorbond® colours as well as Zinalume®.



Accessories



Concealed Bracket



Spike Bracket



Stiffener Bracket



Overstrap Bracket



Flat Overstrap

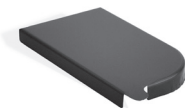


Patio Strap

175 Quad Gutter Accessories Continued



Left Stop End



Right Stop End



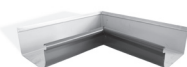
Left Return End



Right Return End



External Corner



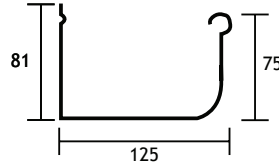
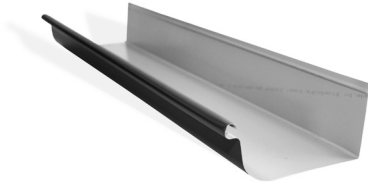
Internal Corner



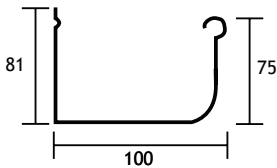
Snap Clip

Small Quad Gutters

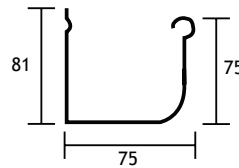
Queensland Sheet Metal's smaller quad gutters are manufactured by refolding down our popular 150 Quad. The height at the front and back of the gutter must remain the same, however we can alter the bottom dimension to suit your requirements. The below measurements are three popular options commonly used. Quad Gutter and accessories are available in Colorbond® colours as well as Zinalume®.



125 Quad Gutter



100 Quad Gutter



75 Quad Gutter

Accessories



Overstrap Bracket



Flat Overstrap

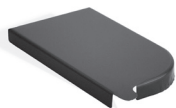


Patio Strap



Left Stop End

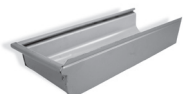
Small Quad Gutter Accessories Continued



Right Stop End



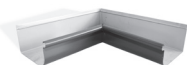
Left Return End



Right Return End



External Corner



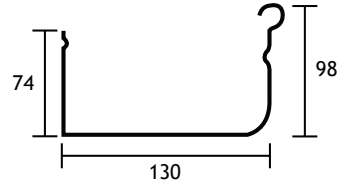
Internal Corner



Snap Clip

150 High Front Quad Gutter

With more water carrying capacity than other traditional gutters and a more modern look, Queensland Sheet Metal's new 150 High Front Quad Gutter is high quality and high capacity. Queensland Sheet Metal provides 150 High Front Quad Gutter in the popular 150mm size. All 150 High Front Gutter and accessories are available in Colorbond® colours as well as Zincalume®.



Accessories



Concealed Bracket



Spike Bracket



Stiffener Bracket



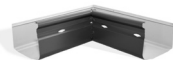
Snap Clip



Left Stop End



Right Stop End



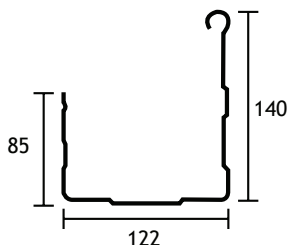
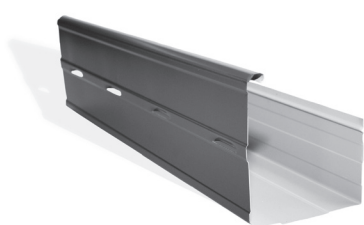
External Corner



Internal Corner

125 Square-Line Gutter

Neat as well as tough, the 125 Square-Line Gutter has plenty of rain carrying capacity. It slots along the high face to prevent the gutter from overflowing and flooding the eaves. This quality gutter is manufactured from hi-tensile steel and comes in a full range of Colorbond® colours to enhance appearance and corrosion resistance. All 125 Square-Line Gutter and accessories are available in Colorbond® colours as well as Zinalume®.



Accessories



Concealed Bracket



Stiffener Bracket



Snap Clip



Stop Ends



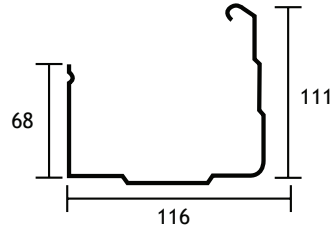
External Corner



Internal Corner

115 Square-Line Gutter

An economical square gutter with a very clean appearance, Queensland Sheet Metal's 115 Square-Line Gutter has good water carrying capacity and a high front with overflow slots to conceal the roof line. This gutter mitres at the corners very neatly to enhance the clean finish. All 115 Square-Line Gutter and accessories are available in Colorbond® colours as well as Zinalume®.



Accessories



Concealed Bracket



Stiffener Bracket



Snap Clip



Stop Ends



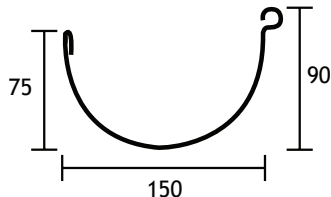
External Corner



Internal Corner

Half Round Gutter

A traditional Spanish style gutter, Half Round Gutter has good water carrying capabilities due to its wide 150mm diameter. It's particularly suitable to conventional homes, but has been applied to many industrial and office type buildings because of its attractiveness and practicability. This gutter is available in both a slotted and unslotted style. All Half Round Gutter and accessories are available in Colorbond® colours as well as Zincalume®.



Accessories



External Bracket



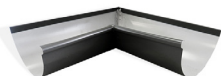
Stop Ends



Sculptured Drop



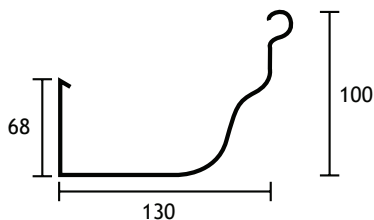
External Corner



Internal Corner

OG Gutter

Queensland Sheet Metal's OG Gutter is a traditional colonial gutter. 'OG' stands for 'Old Gothic'; its style makes it the ideal choice for use on both traditional and modern homes. All OG Gutter and accessories are available in Colorbond® colours as well as Zinalume®.



Accessories



Concealed Bracket



Spike Bracket



Stiffener Bracket



Internal Str-8-line Strap



Left Stop End



Right Stop End



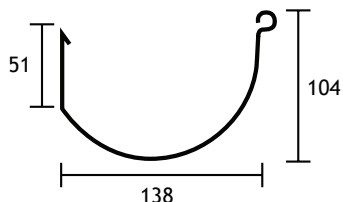
External Corner



Internal Corner

Flat Back Gutter

Featuring a simple curved profile with a flat back. Our Flat Back gutter is a popular alternative to our standard half round gutter and it is suitable for both modern and traditional homes. This gutter is available in both a slotted and unslotted style. Flat Back gutter and its accessories are available in Colorbond® colours as well as Zinalume®.



Accessories



Timber Fix Clip



Internal Str-8-line Strap



Left Stop End



Right Stop End



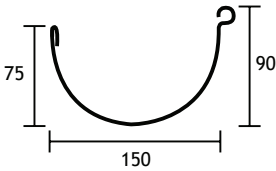
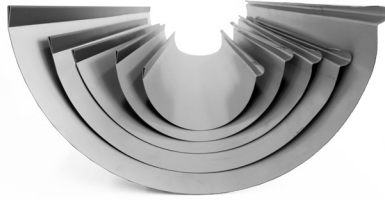
External Corner



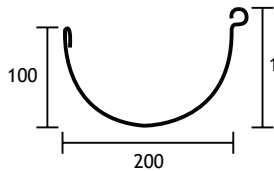
Internal Corner

Big Half Round Gutter

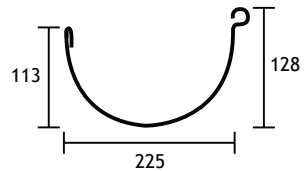
Our Half Round Gutter has good water carrying capabilities and is available in a range of sizes from 150mm to 300mm in diameter. A popular choice for both domestic homes and commercial applications alike due to its attractiveness and versatility. This gutter is available in both a slotted and unslotted style. All Half Round Gutter and accessories are available in Colorbond® colours as well as Zincalume®.



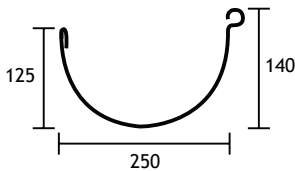
150mm



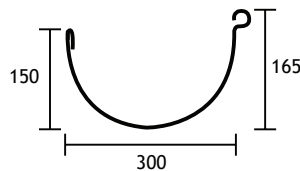
200mm



225mm



250mm



300mm

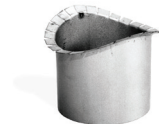
Accessories



External Brackets



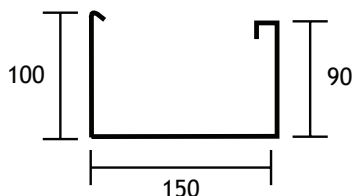
Stop Ends



Sculptured Drops

Low Front Commercial Eaves Gutter

Our Low Front Commercial Eaves gutter has a very clean cut appearance which makes it popular for a range of different commercial applications. It is designed to cope with a higher volume of water and is available in Colorbond® colours as well as Zinalume®.



Accessories



Internal Bracket



External Bracket



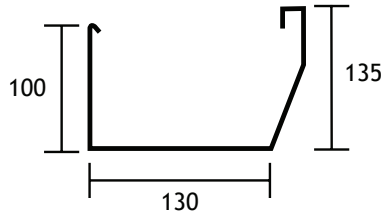
Left Stop End



Right Stop End

High Front Commercial Eaves Gutter

A modern style gutter with a clean, simplistic appearance. This gutter is available in both a slotted and unslotted style and has large water carrying capacities. It is suitable for use on a wide variety of commercial applications and is available in Colorbond® colours as well as Zinalume®.



Accessories



Internal Bracket



External Bracket



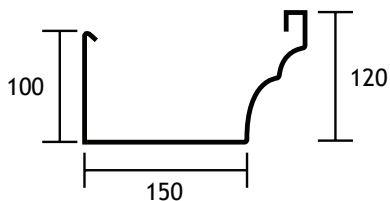
Left Stop End



Right Stop End

Big OG Gutter

Queensland Sheet Metal's Big OG Gutter has an Old Gothic style face and is designed to suit a range of different commercial applications. It is available in both a slotted and unslotted design in the full range of Colorbond® colours as well as Zinalume®.



Accessories



Internal Bracket



Left Stop End



Right Stop End

Metal Rectangle Downpipes

Queensland Sheet Metal produce square and rectangular downpipes that are available in many sizes to suit any application for industrial and residential buildings. They are available in a range of Colorbond® colours, Zinalume®, Galvanised, Stainless Steel and Copper and cut to any length up to 5m to suit your requirements.

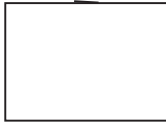


Technical Information

As a general guide, in non cyclonic areas, for every 1m² of roof area drained, 70mm² of downpipe is required. This calculation is based on the assumption that the maximum rainfall does not exceed 125mm per hour.

It is considered the best practice to drain to different points, using smaller downpipes rather than to one large outlet. Where possible, downpipes should be spaced at not more than 12,000mm centres.

Material Specifications and Sizes

Profile	BMT (mm)	Tensile (MPa)	Size A x B (mm)	Roof Area Drained (m2)
	0.55	G300	50 x 50*	35
			75 x 50*	55
			75 x 75*	80
			95 x 45*	60
			100 x 50	70
			100 x 75	105
			100 x 100	140
			125 x 100	180
			150 x 100	210
			150 x 150	320
			200 x 200	570

*Only available in 2400mm lengths

Note: Customised sizes are available upon request.

Metal Rectangle Downpipe Accessories



Downpipe Offsets



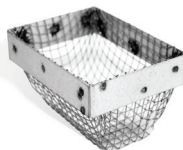
Downpipe Drops



Downpipe Straps



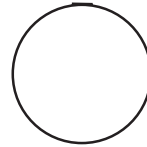
Downpipe Elbows



Downpipe Leaf Catchers

Metal Round Downpipes

Queensland Sheet Metal produce round downpipes that come in a range of different diameters to suit both industrial and residential buildings. They are available in a range of Colorbond® colours, Zinalume®, Galvanised, Stainless Steel and Copper and cut to any length up to 5m to suit your requirements.

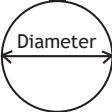


Technical Information

As a general guide, in non cyclonic areas, for every 1m² of roof area drained, 70mm² of downpipe is required. This calculation is based on the assumption that the maximum rainfall does not exceed 125mm per hour.

It is considered the best practice to drain to different points, using smaller downpipes rather than to one large outlet. Where possible, downpipes should be spaced at not more than 12,000mm centres.

Material Specifications and Sizes

Profile	BMT (mm)	Tensile (MPa)	Size A x B (mm)	Roof Area Drained (m ²)
			75*	65
			90	90
			100	115
			125	170
			150	250
			175	345
			200	450
			225	570

*Only available in 1800mm lengths

Note: Customised sizes are available upon request.

Metal Round Downpipe Accessories



Downpipe Offsets



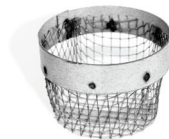
Downpipe Drops



Downpipe Straps



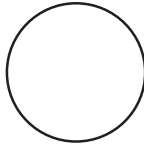
Downpipe Elbows



Downpipe Leaf Catchers

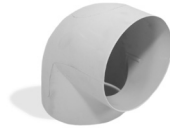
PVC Round Downpipes

Queensland Sheet Metal have PVC downpipes that come in a range of different diameters to suit both industrial and residential buildings. The standard size PVC downpipes that Queensland Sheet Metal provide are 90mm and 100mm. All PVC downpipes accessories are available too.



Sizing (mm) - Available in 6m lengths
90
100

Accessories



Downpipe 90° Bend



Downpipe 45° Bend



Downpipe Adaptors

PVC Round Downpipe Accessories



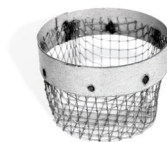
Downpipe Drops



Downpipe Straps



Downpipe T and Y Junctions



Downpipe Leaf Catchers



Structural

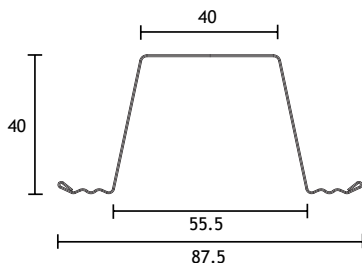
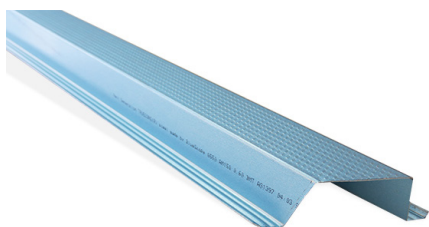
Battens..... 90 - 95

Purlins..... 96 - 97

Roof Battens

Queensland Sheet Metal Roof Battens offer an economical alternative to timber Roof Battens. These are made from hi-tensile Australian steel and are lighter than timber battens yet still very strong. They nest together which also allows for easy storage, carrying and handling.

Roof Battens are versatile and easy to use. They can be lapped, saving the time of on-site cutting, making them quicker and easier to install. Compatible with all roof claddings, Queensland Sheet Metal Roof Battens are simple to align and fastening is quick and easy using self-drilling screws. Queensland Sheet Metal Roof Battens are manufactured from Zincalume® and Truecore® steel.



Features

- A textured surface makes installation easy when fixing the cladding.
- The 40mm high profile provides strength and is designed to nest for easy handling and storage.
- The return edge provides safety and rigidity.
- Available in 6.5m stock lengths with mitred ends for easy installation at hips and valleys.

Material Specifications

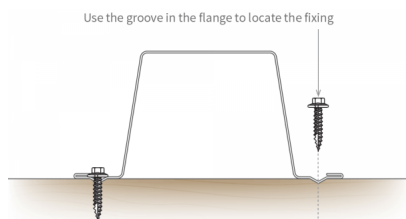
Profile	Material Properties	0.55BMT	0.75BMT (Cyclonic)
	Yield Strength	550MPa	550MPa
	Coating Mass	150g/m ²	150g/m ²
	Maximum Span*	1500mm	1200mm
	Max. Sheet Roof Spacing	1200mm	900mm
	Max Tile Roof Spacing	330mm	-
	Batten Mass	0.71kg/m	0.97kg/m

* Maximum span continuous over at least two spans.

Installation

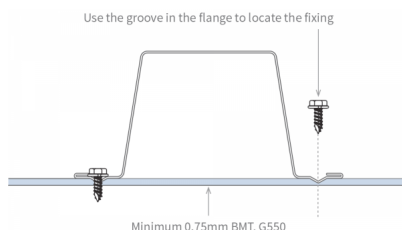
Fixing Battens to Timber

Fasten the batten to every truss or rafter with a 12 x 40mm timber fixing screw (minimum fixing size) through each flange.



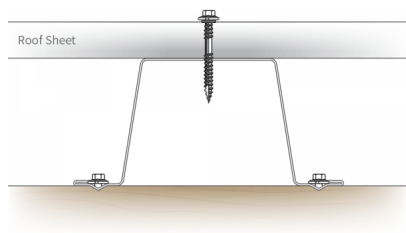
Fixing Battens to Steel

Fasten the batten to every truss or rafter with a M5.5 x 40mm batten zip (minimum fixing size) through each flange.



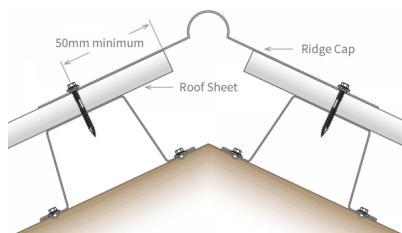
Fixing to Roof Sheets

Fasten the roof sheets to the batten as per the roofing specifications.



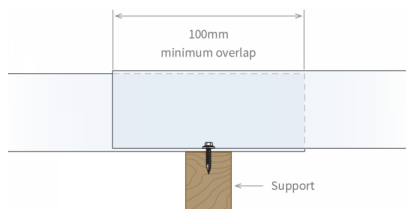
Fixing to the Ridge

Fix through the ridge capping into the roof batten using the appropriate screws.



Lapping Battens

To minimise cutting, lay the battens in one direction starting from one end of the roof. The overlap must be supported over a truss or rafter. The minimum overlap is 100mm.

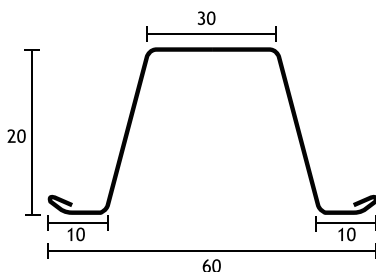
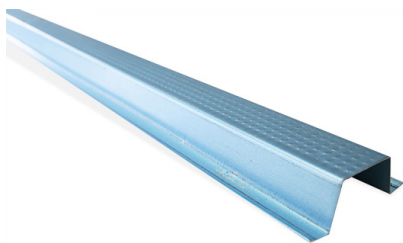


Note: If additional fall protection is required on steel sheet roofs, Ceiling Battens may be fixed intermittently between Roofing Battens giving a batten spacing no greater than 600mm. Roofing Battens are suitable for non-cyclonic conditions up to and including W41 (N3).

Ceiling/Safety Battens

Queensland Sheet Metal Ceiling Battens are made with a combination of high strength and rigidity and are low weight and inexpensive. Ceiling Battens are compatible with all major domestic ceiling boards, which makes them an economical, easy to use and versatile solution.

The steel construction of Ceiling Battens will help control timber rafter movement, which will assist in preventing the plasterboard ceiling from cracking. Queensland Sheet Metal Ceiling Battens are manufactured from Zincalume® steel that delivers superior strength and durability.



Features

- The return edge is folded back on itself, providing a safe edge and a rigid profile.
- 0.42mm thick hi-tensile steel is very strong, lightweight and is easy to cut with tin snips.
- The 20mm high profile provides strength and is designed to nest for easy handling and storage.
- A textured surface makes installation easy when locating and screwing plasterboard fixings.
- Ceiling Battens are supplied in 6.1m lengths for easy handling and storage.

Material Specifications

Profile	Material Properties	0.42BMT
	Yield Strength	550MPa
	Coating Mass	150g/m ²
	Maximum Span*	1200mm
	Maximum Spacing	600mm
	Batten Mass	0.35kg/m

* Maximum span continuous over at least two spans.

Note: The maximum span and spacings shown allow for a plasterboard thickness of up to 13mm. Refer to the appropriate manufacturer's specifications for details on the ceiling installation.



Installation

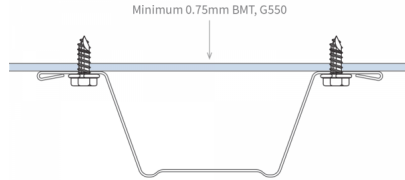
Fixing Battens to Timber Joists

Fasten the ceiling batten at every support with a 12 x 25 T17 screw (minimum fixing size) through each flange.



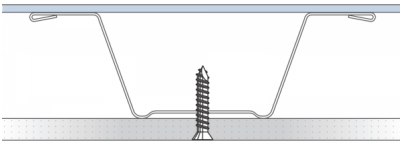
Fixing Battens to Steel Joists

Fasten the ceiling batten at every support using a 10 x 16 SDS screw (minimum fixing size) through each flange.



Attaching to Plasterboard

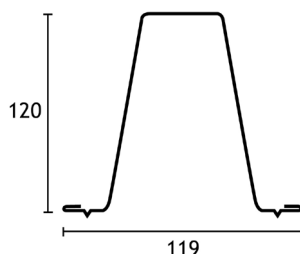
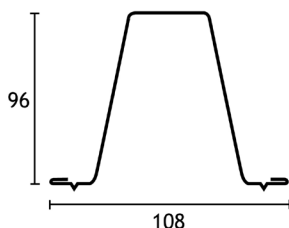
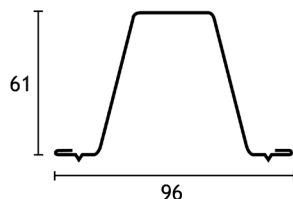
Fasten the plasterboard to the ceiling batten according to the plasterboard manufacturer's specifications.



Note: Queensland Sheet Metal ceiling battens should not be walked on.

Top Span Battens

Queensland Sheet Metal Top Span Battens are commonly used in industrial applications as they have a larger base metal thickness than standard Roof Battens. These are made from hi-tensile Australian steel and they are very strong. Queensland Sheet Metal Top Span Battens are cut to length to suit your requirements and are manufactured from Zinalume® steel.



Features

- A textured surface makes installation easy when fixing the cladding
- The return edge provides safety and rigidity
- Cut to length with mitred ends for easy installation at hips and valleys

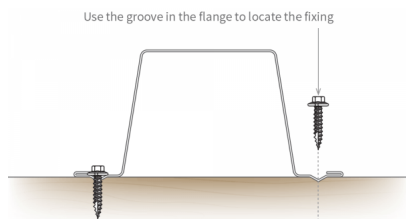
Material Specifications

0.8mm	1.0mm	1.2mm
61mm	61mm	61mm
96mm	96mm	96mm
120mm	120mm	120mm

Installation

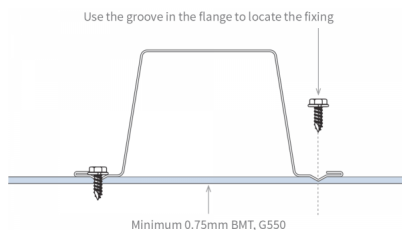
Fixing Battens to Timber

Fasten the batten to every truss or rafter with a 12 x 40mm timber fixing screw (minimum fixing size) through each flange.



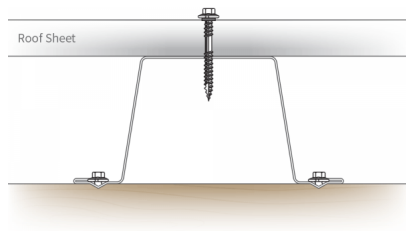
Fixing Battens to Steel

Fasten the batten to every truss or rafter with a M5.5 x 40mm batten zip (minimum fixing size) through each flange.



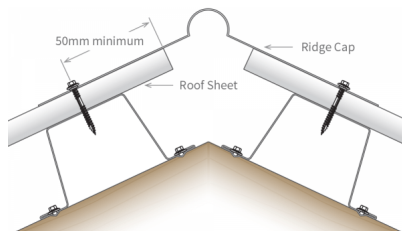
Fixing to Roof Sheets

Fasten the roof sheets to the batten as per the roofing specifications.



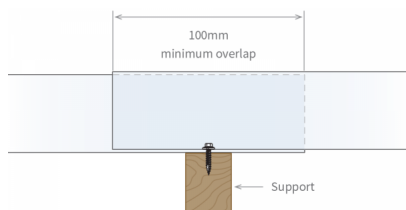
Fixing to the Ridge

Fix through the ridge capping into the roof batten using the appropriate screws.



Lapping Battens

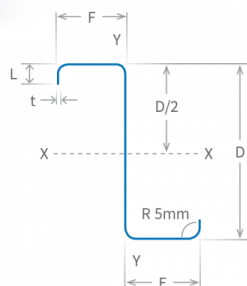
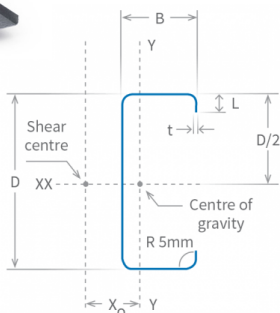
To minimise cutting, lay the battens in one direction starting from one end of the roof. The overlap must be supported over a truss or rafter. The minimum overlap is 100mm.



Note: If additional fall protection is required on steel sheet roofs, Ceiling Battens may be fixed intermittently between Roofing Battens giving a batten spacing no greater than 600mm. Roofing Battens are suitable for non-cyclonic conditions up to and including W41 (N3).

C and Z Purlins

Queensland Sheet Metal provide a complete range of structural C and Z Purlins and girts for industrial buildings, garages, verandahs, and carports; in fact anywhere that strong reliable steel framing is required. Manufactured from quality Galvanised Steel, this is a fully integrated system allowing for flexible design options. Supplied plain or punched, Galvanised Purlins are manufactured from high-tensile steel for increased strength, reduced weight, and a long serviceable life.



Accessories



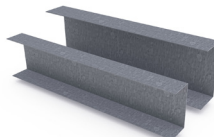
Purlin Bolts



Angle Connector



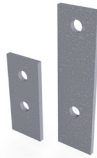
General Purpose Bracket



Purlin Receiver Channel



Clamp Plate



Cleats



Raking Girt Bracket

Material Properties and Dimensions

Material Properties (Mpa)			Dimensions						
C and Z Section Size	Yield Stress f_y	Ult. Tensile Strength f_u	t mm	D mm	Z Section		C Section	L mm	Mass kg/m
					E mm	F mm	B mm		
75-12*	500	520	1.2	75	–	–	40	10.7	1.59
100-10	550	550	1.0	102	53	49	51	12.5	1.77
100-12	500	520	1.2	102	53	49	51	12.5	1.77
100-15	450	480	1.5	102	53	49	51	12.5	2.10
100-19	450	480	1.9	102	53	49	51	14.5	3.29
100-24	450	480	2.4	102	53	48	51	12.0	4.13
150-10	550	550	1.0	152	65	61	64	14.5	2.42
150-12	500	520	1.2	152	65	61	64	15.0	2.89
150-15	450	480	1.5	152	65	61	64	16.0	3.58
150-19	450	480	1.9	152	65	61	64	17.0	4.51
150-24	450	480	2.4	152	66	60	64	18.5	5.67
200-12	500	520	1.2	203	79	74	76	15.0	3.62
200-15	450	480	1.5	203	79	74	76	16.0	4.49
200-19	450	480	1.9	203	79	73	76	19.0	5.73
200-24	450	480	2.4	203	79	74	76	21.0	7.2
250-15	450	480	1.5	254	79	74	76	18.0	5.16
250-19	450	480	1.9	254	79	74	76	19.0	6.50
250-24	450	480	2.4	254	79	73	76	20.5	8.16
300-24	450	480	2.4	300	100	93	96	28.0	10.09
300-30	450	480	3.0	300	100	93	96	31.5	12.68
350-24	450	480	2.4	350	129	121	125	29.0	12.20
350-30	450	480	3.0	350	129	121	125	30.0	15.19
400-24	450	480	2.4	400	129	121	125	28.0	13.16
400-30	450	480	3.0	400	129	121	125	30.0	16.39

* C Purlin only



Flashings

Flashings

99 - 100

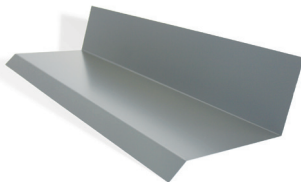
Flashings

Whether you require flashings for commercial, industrial, rural or domestic use, we offer flashings in an extensive range of sizes, colours and styles.

We offer custom-made or standard flashings which are available in a selection of materials to suit your specific building and environmental requirements. Base Metal thickness ranges from the standard 0.4BMT or 0.55BMT available in Zinalume®, Colorbond® and Galvanised or thicker flashings are available in Zinalume®, Galvanised and Colorbond® Surfmist.

Queensland Sheet Metal can even fold flashings up to 3.0BMT Galvanised for those jobs that require extra support. We can also create flashings in specialty metals such as Copper or Stainless Steel to offer a high quality finishing touch.

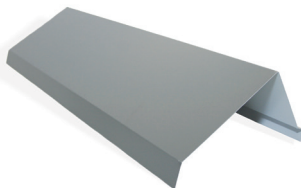
Common Flashings



Apron Flashing

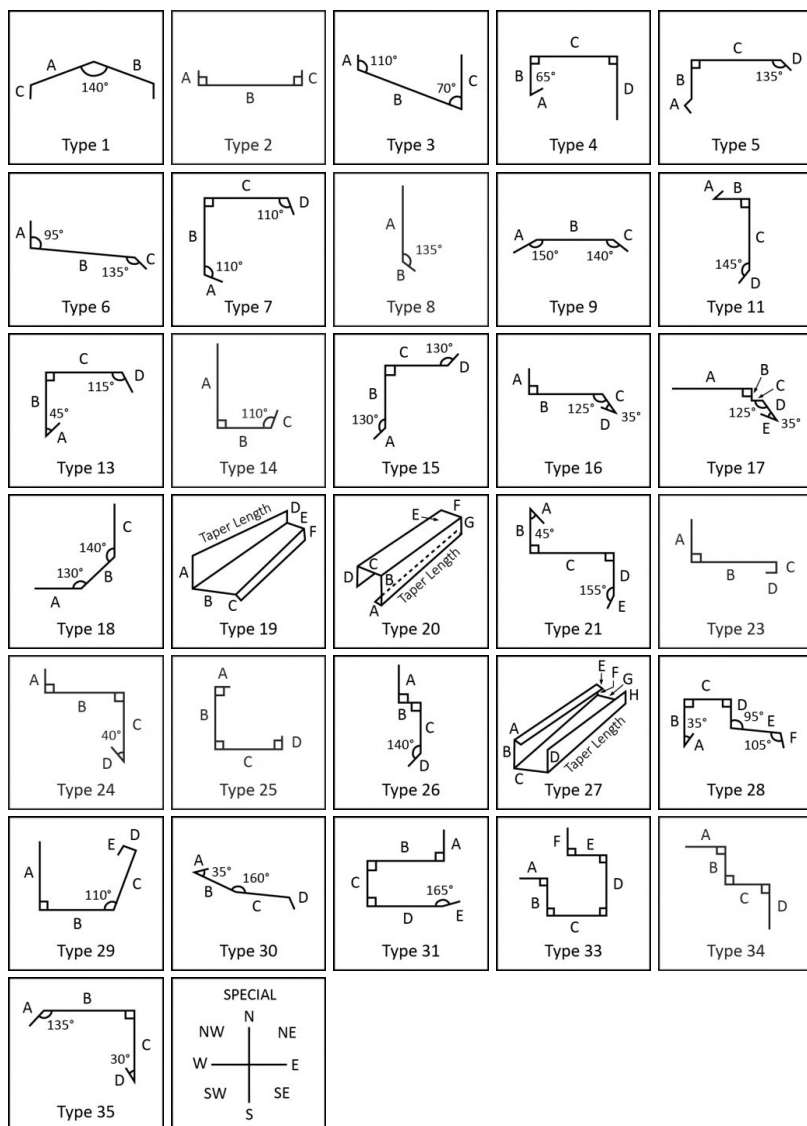


Box Gutter



Barge Flashing

Flashings Guide



Minimum flashing fold is 8mm. Safety edge = 2 Bends. Maximum flashing length is 8 LM. Flashings under 1 LM will be charged at a minimum of 1 LM. Standard bend tolerance is $\pm 2\text{mm}$. Please advise if flashing length is critical.



Home Improvement

Insulation.....	102 - 112
Builder's Products.....	113 - 120
Custom Products.....	121 - 126

Blanket

Queensland Sheet Metal Blanket is a lightweight, laminate faced insulation blanket specifically designed to provide a combination of acoustic, thermal and condensation control under metal roofs or concrete soffits in residential and commercial buildings. It consists of a bulk insulation blanket adhered to reinforced, reflective Thermofoil facing. The bulk insulation blanket is manufactured by spinning molten glass, containing up to 65% recycled content, into fine wool like fibres. These are bonded together using a thermosetting resin. The Thermofoil facing typically extends 150mm beyond one longitudinal edge of the blanket to provide an overlap for sealing the blankets.



Applications

Queensland Sheet Metal Blanket is designed to provide efficient acoustic and thermal insulation as well as condensation control under metal deck, fibre cement and concrete roofs in residential or commercial applications. Typical applications include the following:

- Residential and commercial metal clad roofs
- Under concrete slabs/soffits in roofs, car parks etc
- Commercial and industrial fibre cement roofs egs. offices, shopping centres, warehouses

Queensland Sheet Metal Blanket is designed to reduce rain and aircraft noise and can be also substantially reduce reverberant noise within the building.

Bushfire Attack Level (BAL) - The insulation blanket is ideally suited to sealing ember entry points at ridges, valleys and fascia whilst the available facings comply with the BCA flammability index requirement of ≤ 5 .

Health and Safety

This product is manufactured to the latest Fibre Bio-Soluble (FBS-1) Glasswool formulatuion and is not classified as hazardous according to the criteria of the ASCC (formally NOHSC) guidelines.

Benefits of Blanket

- Acoustic insulation: reduces unwanted airborne noises and reduces the impact sound of rain noise
- Thermal insulation: good thermal performance
- Condensation control: reduces the risk of condensation occurrence under metal roofs
- Available in a range of thicknesses to meet BCA energy efficiency standards
- Can be stored externally in water resistant packaging
- Can be custom cut to required length to reduce waste and installation time
- Made from a bio-soluble formulation
- Manufactured in Australia

Installation

- Always ensure that the insulation can recover to its design thickness by using spacer systems
- For optimum thermal performance the bright side of the Thermofoil is positioned in a downward direction adjacent to a still air space
- Applications must be sealed against the ingress of water and prevent the passage of water through joints or penetrations
- Foil repairs and penetrations must be treated with foil or Thermoplast tape
- Consult Queensland Sheet Metal for high humidity applications requiring additional precautions

Product	Base Blanket R-value	Nominal Dimensions			Nominal Coverage/Roll (m2)
		Thickness (mm)	Width (mm)	Length (m)	
55mm Blanket	R1.3	55	1200	15	18
75mm Blanket	R1.8	75	1200	15	18
100mm Blanket	R2.5	100	1200	10	12

Physical Properties

Maximum Service		Glasswood: 350°C; Reflective foil: 70°C
Fire Hazard Properties	When tested in accordance to AS/NZS 1530.3:1999	Ignitability:0 Spread of flame:0 Heat evolved:0 Smoke developed:1
Corrosion Resistance	When tested in accordance to BS3958.5:1969	pH 7.5-8.0 Incapable to corrode steel
Moisture Absorption	When left in a controlled atmosphere for 50°C and 95% relative humidity for four days	Less than 0.2% by volume
Thermal Compliance	AS/NZS4859.1	Complies
Flammability Index	AS 1530.2	The thermofoil range of facing laminates have a flammability index rating of ≤5 (low)
Sample Specification	The insulation shall be blanket (select one of the following: 60, 80, 100, 100HP, 110, 120, 125, 130, 140, 145) that is thermally rate to AS/NZS4859.1 faces with (specify foil facing duty classification <LD, MD, HD>, specify exposed side finish <black/reflective>) laminate surface.	

Estimated Acoustic Performance

Roof Profile	No Insulation (dB)	Blanket 55 (dB)	Blanket 100 HP (dB)
Five Rib	69	63	59
Conceal Fix	67	61	57
Span Roofing	73	68	64
Corrugated	75	70	65

Note: A. Calculations are based upon a roof area of 10m² with a roof sheet BMT of 0.48mm with no ceiling. B. The insulation is allowed to recover to its design thickness - use spacers as required. C. The insulation is sandwiched directly between the underside of the metal roof sheet and the building roof structure. D. Data is based upon 'intense' rainfall - additional information is available for other rainfall categories. E. The estimates are intended to be equivalent to ISO 140-3:1995.

Foil Fasteners

Queensland Sheet Metal Foil Fasteners provide a quick and easy solution for fixing foil products to timber structures. They provide a more secure hold than staples and clouts, reduce tearing and are easy to attach to hardwood or pine. They have four pins and are 25mm in diameter.



Wall Batts

Queensland Sheet Metal Fireseal Party Wall Batt is an insulation material specially formulated to provide fire protection in party walls or separating walls between adjoining occupancies. It is manufactured from a molten mixture of natural rock and recycled blast furnace waste products, bonded with thermosetting resin. The product has remarkable resistance to shrinkage at temperatures encountered in fire conditions. The stability is well beyond that of normal Rockwool or Glasswool insulation materials. The product can be identified by its dark brown appearance.



Applications

Queensland Sheet Metal Wall Batts are designed for installation between the top of a fire resistance level (FRL) party wall and the roofing membrane. Its purpose is to meet the requirements for fire resistance between adjacent tenancies, as set out in building codes and ordinances. The product can also be used as a fire seal between the edge of a floor slab and the facade of a building. Multiple layers must be stacked neatly and should be installed as one unit, however a single layer of Wall Batt is preferred. Wall Batts may be stacked to fill cavities up to 255mm in height. The Wall Batts' original height must be compressed by a minimum of 10% and Queensland Sheet Metal does not recommend more than three layers to be stacked without adequate support. When a batt is required to be extended in length, a Vee profile cut shall be made to both ends of each batt so to provide a butt joint. Any vertical joints in a stacked batt installation should be staggered. Batt lengths are to be cut so to provide a tight fit in the construction gaps opening width. They must be fitted tightly and accurately, following the profile of the gap.

Benefits

- Highly durable insulation product
- Remarkable resistance to shrinkage at high temperatures encountered in fire conditions
- Easily fits into standard party wall applications
- Easily cut and formed to fit into tight applications
- Excellent and cost effective fire insulation
- Performance is not adversely effected from contact with water
- Non combustible
- Biosoluble and safe to use product

Available Facings

Wall Batts are available un-faced. Any other applied facings may reduce its performance.

Health and Safety

This product is manufactured from Rockwool.

SKU Table

Thickness (mm)	Length (mm)	Width (mm)	Pieces per Pack	Nominal Coverage m2 per Pack	Lineal Metre per Pack
100	1200	168	5	1.08	6

Physical Properties

Density	70kg/m3	
Fusion Temperature	In excess of 1150°C	
Thermal Conductivity	0.037W/MK at 23°C mean temperature	
Non Combustibility	AS/NZS 1530.1 : 1994	Non Combustible
Fire Hazard Properties	AS/NZS 1530.3 : 1999	Ignitibility:0 Spread of Flame:0 Heat Evolved:0 Smoke Developed:0
Corrosion Resistance	BS3958 part 5 - 1969	pH 7.0-9.0; Less than 200ppm soluble chlorides
Moisture Absorption	When placed in a controlled atmosphere of 50°C and 95% relative humidity for 96 hours	Less than 0.2% by volume
Fire Protection Level	Width of fireseal (mm)	Level of Fire Protection (hours)
	120	1
	128	1.5
	135	2
Sample Specification	The insulation material shall be wall batts 100mm thick as supplied by Queensland Sheet Metal. The wall batts shall be compressed into position with a minimum 10% compression in height, fitted snugly into the cavity. The batts 168mm width may be trimmed down to suit fitment but the batts FRL shall be the same or greater than the adjoining elements structure's FRL.	

SolairForce insulation can significantly reduce energy costs and greenhouse gas emissions, with a range of products available to match different roof profiles in residential, commercial and industrial buildings of all sizes.

This advanced insulation product was designed to offer flexibility for a range of applications. Comprising two reflective aluminium foil surfaces with an air pocket in-between, the transfer of heat is greatly reduced when SolairForce panels are installed in roofs and other locations, helping to reflect sunlight in summer and prevent heat from escaping buildings in winter.

This insulation product is easy to install DIY and is guaranteed to last for many years, with a 20-year warranty.



Benefits of SolairForce

- Quick and easy to install reducing labour costs
- Reflects 98% of radiant heat
- Fibre free, clean and safe, non-irritant insulation
- Reduces energy costs
- Reduces greenhouse gases
- Highly durable and hail resistant with anti-tear surface
- Anti-fungal and anti-bacterial
- Fire retardant properties
- Resists rodent and insect nesting unlike bulk insulations
- Insulation that also acts as a water barrier
- 20 year warranty

Material Specifications

Roll Size	48m2 (40m x 1.2m)
Roll Diameter	415mm
Product Thickness	4mm
Roll Weight	10.5kg
Reflectance	97%
Emissivity	Silver .03

SolairForce is made from a strong 4mm thick polyethylene cell structure that separates two highly reflective layers of polished aluminium foil.

SolairForce is our most lightweight product, which means easier installation, more efficient construction, and bigger cost saving. The lightweight construction of SolairForce means highly efficient insulation is installed that does not consume valuable space within the building envelope.

SolairForce is designed to replace conventional insulation such as bulk insulation blanket, ceiling batts, and cellulose fibre, with a safe, clean, fibre free alternative for use in residential, commercial, industrial, steel, and wood construction. Suitable for use in roofs, walls, and under floors, SolairForce Building Insulation offers an all-in-one package.

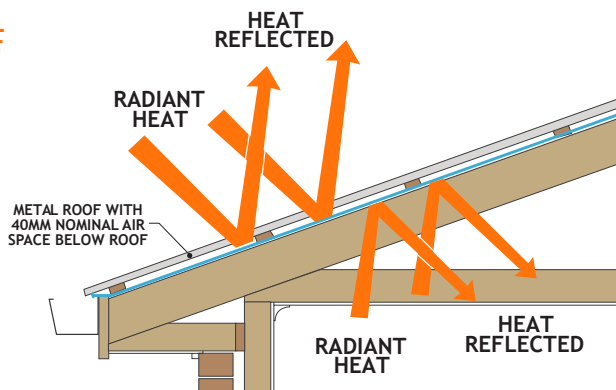
*This SolairForce product has NO anti-glare

System R-Values (m2.KW)

Commercial Applications – 50 Pitch	Summer	Winter
Warehouse Metal Roof	2.1	0.9
Commercial Office Metal Roof	3.3	1.4
Warehouse Roof Retrofit	2.7	0.9
Flat Concrete Roof Soffit		
Suspended Ceiling	3.2	1.6
No Suspended Ceiling	2.2	1.1
Other Applications		
Precast Concrete Wall	1.8	2.0
Masonry Block Wall (150m)	1.9	2.1
Warehouse Wall Retrofit	1.0	1.2
Concrete Floor (Soffit) – Enclosed	2.0	3.3

RESIDENTIAL METAL ROOF

Heat Flow in
R 2.9



Safety Mesh

Queensland Sheet Metal Safety Mesh consists of 2mm galvanised wire with a tensile strength exceeding 450mpa. The longitudinal wires are spaced at 150mm centres with crosswires spaced at 300mm centres. The rolls available 1800mm wide and are supplied in standard 50 metre rolls.

When used for roofing, safety mesh becomes a permanent fixture for the life of the building and provides the required safe working environment throughout initial roof installation and for any maintenance work in the future.



Material Specifications

Safety Wire	1800 wide
Weight per 50m	24kg
Weight per metre	0.48kg
Sqm per roll	90
Sqm with one lap	82.5
Sqm with double lap	75
50m rolls per pallet	25/30

Sissalation Paper

Queensland Sheet Metal Sissalation Paper is a light duty economical grade reflective foil insulation specifically developed as insulation and condensation control for use under metal deck roofs in domestic and commercial applications. Sissalation paper can also be used as a cost effective wall wrap to protect against dirt, dust, draughts and condensation.

The installation of sissalation paper will add to the overall thermal performance of the roof or wall when a clear airspace of at least 20mm or more is provided at the reflective side of the foil face. Tough enough to withstand the rigours of construction, Queensland Sheet Metal Sissalation Paper provides an excellent barrier against dust during home building. Reducing glare from the external face of a building is an important site construction and road safety requirement. The antiglare coating is installed to the outside of the building to reduce reflection to acceptable levels.



Benefits

- Pliable, strong and easy to use
- Ideal for under metal roofs and also as a wall wrap
- Provides ongoing physical protection against the elements
- Reduces temperature variations and condensations inside the home
- Increases energy efficiency; and improves homeowner comfort by weatherising the home

Standard Sizes and Packaging

Width (mm)	Length (mm)	m2 per Roll	Rolls per Pallet
1350	60	81	50

Durability

Queensland Sheet Metal Sissalation Paper is a general purpose roof sarking/wall wrapping product and is guaranteed to be free from manufacturing defects. Queensland Sheet Metal Sissalation Paper will perform in normal building application when installed in accordance with AS/NZS 4200.2:194 Pliable Building Membranes and Underlay's, Part 2 Installation Requirements. Please note, all work must be designed and constructed in compliance with all provisions of the current Building Code of Australia, regulations and relevant standards. Being a secondary sarking/wall wrapping material, Queensland Sheet Metal Sissalation Paper is not designed to withstand prolonged direct exposure to the elements. Accordingly, upon application of this product the outer cavity should be installed without delay. Sissalation Paper should be installed with the anti-glare side facing outwards. In roofing applications it is recommended to use a minimum sag of 40mm deep between the rafters, except at the eaves. To ensure effective performance and satisfactory lifespan, Sissalation Paper must be installed with a minimum airspace of 20mm on the reflective face.

Thermal Performance

The thermal performance of reflective insulation varies according to the direction of the heat flow. The following table provides total R values for common systems in accordance with AS 4859.1:2002 Materials for the Thermal Insulation of Buildings.

Brick Veneer Wall		Pitched Metal Roof	
Total R Value		Total R Value	
Summer	Winter	Summer	Winter
R1.6	R1.8	R1.9	R1.2

- Emittance of reflective foil surfaces 0.05 or less
- Temperature difference 6°C for heat flow out and 12°C for heat flow in
- In roofs, Sissalation Paper installed antiglare facing up, reflective surfaces facing down
- In walls, Sissalation Paper installed on the exterior of the studs, reflective surface facing the plasterboard
- Emittance of antiglare surface 0.10

Whirlybirds

Queensland Sheet Metal 300mm Diameter Whirlybirds, remove the very hot air (in summer) or damp air (in winter) trapped in roof space, which helps to stabilise indoor temperatures as well as improve ventilation, preventing damp conditions that cause mould and mildew. Whirlybirds provide effective natural ventilation of the roof space keeping interiors fresher. Available in Colorbond® colours or mill finish.

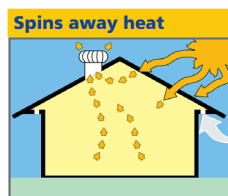


Features

- Light, strong and durable construction. Free flow 300mm throat
- Twin bearings with stainless steel balls
- Variable pitch base, 0 to 45°
- Suits tiled or metal roofs
- Provides natural ventilation powered by the wind. No electrical connection or ducting required
- Maintenance free operation. Relax and enjoy the benefits of cooler evenings and more comfortable living

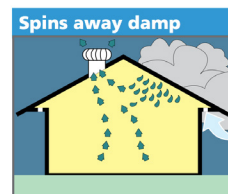
How it Works and Saves

- Normal insulation is not enough to prevent heat radiation into your home. With effective roof space ventilation less heat is radiated into rooms allowing airconditioners and fans to cope more easily and save on power too.
- Whirlybirds use the free energy of the wind 24 hours a day, every day of the year... more comfortable conditions year-round.



Year-Round Benefits

- Moisture laden air from inside the home, and outside air can condense and cause dampness. Ventilation prevents damage to ceilings and roof timbers, helps control mildew. Shaded areas of your home particularly benefit.
- Ceiling insulation is less efficient when wet, and as a result more heating is needed to compensate. Ceilings can become mildewed too, and good roof space ventilation overcomes these problems and reduces costs.



Accessories

Screws

We stock a wide range of roofing and walling screws in a variety of colours to suit all applications.



Rivets

4-3 Rivets come in the full range of Colorbond® colours, to complement gutters, flashings and all roofing needs.



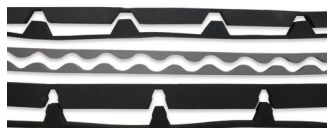
Touch Up Paint

We carry a wide range of touch up paint in convenient spray cans to match any Colorbond® colour.



Infill Strips

Available in a range of roofing profiles to provide a barrier from debris, vermin and water from entering the roof space.



Silicone

Available in grey or clear. Used for repairs, protection, and to seal off spots in your building.



Dektites

Seal penetrations in your roof with our range of dektites available in grey, black and red in a variety of different sizes.



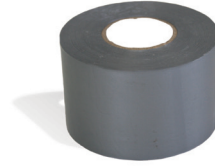
Double Sided Tape

Double sided tape is mainly used in insulation applications and is available at Queensland Sheet Metal.



Grey Duct Tape

Grey duct tape is used widely in construction for everything from securing your flashings for transport to small, temporary fixings.



Drill Bits

Queensland Sheet Metal carry a range of drill bits in varying sizes to suit any roofing application.



Spitters

Custom made to any size and available in all Colorbond® steel colours, Zincalume® and Galvanised.



Antcaps

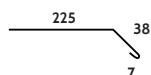
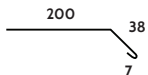
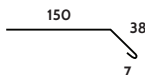
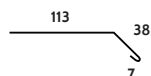
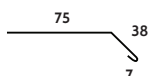
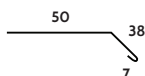
At Queensland Sheet Metal, Ant Capping comes in stock lengths of 1.8metres in Galvanised, or should you require it specifically, Zinalume®. With a choice of Double Sided, Veneer (Single Sided) or Bribie Ant Capping, you can be sure to find a suitable capping for any building requirements.

Queensland Sheet Metal Ant Capping comes in the following sizes:

Single Sided / Veneer - 1.8m



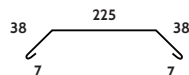
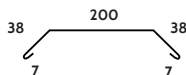
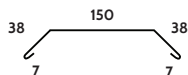
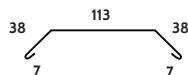
- 50 x 38
- 75 x 38
- 113 x 38
- 150 x 38
- 200 x 38
- 225 x 38



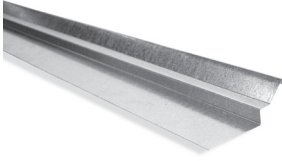
Double Sided - 1.8m



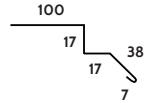
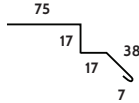
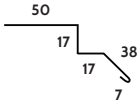
- 113 X 38 X 38
- 150 x 38 x 38
- 200 x 38 x 38
- 225 x 38 x 38



Bribie - 1.8m



- 50 x 17 x 17 x 38
- 75 x 17 x 17 x 38
- 100 x 17 x 17 x 38



Vertical Bribie - 1.8m



- 75 x 17 x 17 x 30



Antcap External Corner

Also available are Ant Capping Corners to suit the Ant Cap of your choice including both internal and external corners in Zinalume® or Galvanised.



Sumps

Sumps are attached between a box gutter and a downpipe where they collect stormwater before sending it down the downpipe.

A rainwater sump catches any debris or unwanted materials from travelling down the drain pipe and into any drains. This ensures that there is no blockage of any kind, meaning that all of your roofing accessories can function at their optimal level.

It also ensures that nasty debris doesn't enter the drainage system and wreak havoc on the environment.

Sizing and Materials

Our standard sumps generally come in two depths; 100mm or 150mm, however you can customise the depth to suit your requirements. These two depths are accompanied by a range of different widths and lengths custom made specific to your needs. Available in Zinalume®, Colorbond® steel, Galvanised, Stainless Steel and Copper.

Tapered Bottom Sumps



Flat Bottom Sumps



Trays

Trays are utilised for a wide variety of applications in the construction industry and are therefore manufactured to suit each application. Soft soldered for strength or spot welded depending on your requirements.

Sizing and Materials

Queensland Sheet Metal manufactures both safe trays and shower trays in a range of different materials. Safetrays can be made from Colorbond® Steel, Zinalume®, Galvanised, Copper or 316 grade 2B Stainless Steel. Whilst shower trays are usually only made in either Copper or 316 grade 2B Stainless Steel.

Safe trays are popular with hardware stores and builders alike. Shower trays may also be customised to include a supplied waste outlet or include cross breaks for strength. Some trays require safety folds or seams too, depending on your specific requirements.

Safe Trays



Shower Trays



Window Flashings

Queensland Sheet Metal stocks a range of Window Flashings to suit any size. Classic and easy to install, this useful product is available in several dimensions to allow for a neat finish and ensure a safe installation in all buildings. Available in Galvanised, or should you require it specifically, Zincalume®. Galvanised Window Flashings are available in stock lengths of 1.8metres with the following standard dimensions:

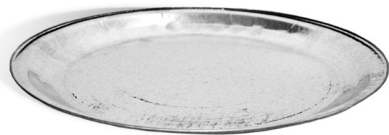
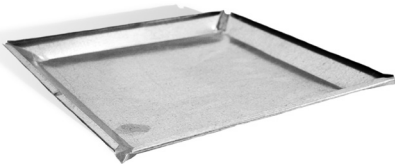


- 38 x 40
- 38 x 50
- 38 x 75
- 75 x 113

Stump Caps

Queensland Sheet Metal also has several designs of Galvanised Stump Caps available:

- Mould Edge Square Galvanised
- Round 250 Galvanised
- Round 300 Galvanised



Vent Pipe Stays

Vent Pipe Stays are available in a Galvanised or Zincalume® finish and are 1.8m in length with a 15mm diameter.



Drip Strips

Drip Strips are available in Galvanised and are 1.8m in length with the width dimensions of 21 x 5 x 21mm.



Trim Angles

Trim Angles are available in a Galvanised or Zincalume® finish with the standard lengths of 1.8m or 2.4m. They can be customised as a flashing to suit your needs or they come in the following standard sizes:



- 38 x 38
- 50 x 50

Colonial Items

Traditional colonial accessories such as Ridge Horns, Gutter Scrolls or Acroterias are manufactured to complement the Queenslander style predominant throughout Queensland. Custom made to any design, they are available in Colorbond® colours, Zinalume®, Galvanised, Copper and Stainless Steel.

Gutter Scrolls



Ridgehorns



Weathervanes

Adding a touch of tradition to your roof, Weather vanes can be made in a myriad of designs at Queensland Sheet Metal. They are useful in the many weather conditions of Queensland and Queensland Sheet Metal can also custom make a design to suit any home. Available in Colorbond®, Zinalume® and Galvanised.

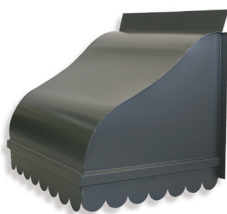


Window Hoods

A range of metal window hoods are available in a selection of colours and styles to suit any home. It is an economical solution to keeping your home cooler and shaded from the hot sun.

All styles are available in any length, however any awning longer than 2.4 metres will require seaming.

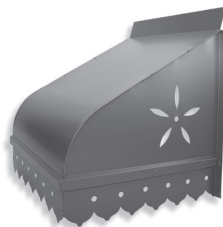
Standard patterns including bottom/side designs and shapes are available however Queensland Sheet Metal's talented tradesmen can match existing awnings or create an awning from a detailed drawing.



Design 1



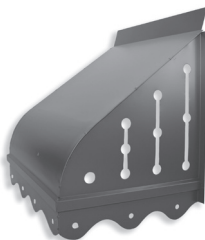
Design 2



Design 3



Design 4



Design 5



Design 6



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Design 7



Design 8



Design 9



Design 10



Design 11



Design 12



Design 13



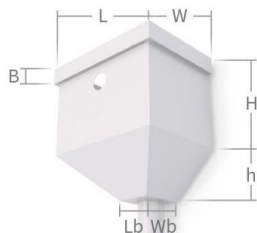
Design 14



Design 15

Rainwater Heads

Rainwater heads are located between the gutter and downpipe to direct waterflow away from the roof. They are used on buildings where internal box or trough gutters are used and they act as an external overflow point minimising water surges into the stormwater system by directing waterflow into the downpipe. Rainwater heads are used to minimise the risk of water overflow inside a building and provide protection against water overflow in extreme weather conditions.



Tapered



Conical



Ornate

Ordering

When ordering a rainwater head you must specify the dimensions of the design. You will need to know the length, width and height. Depending on the style you choose, you may also need to know the bead height if you do not want a standard bead. See above for three examples showing the dimensions you will require. All rainwater heads can include a fitted downpipe outlet which is available in a wide range of sizes. When ordering your rainwater head, you will need to specify the dimensions and position of the downpipe outlet. An overflow provision can also be included if desired. The size and position of the overflow needs to be specified when your rainwater head order is placed.

Choose a Style and Size

Firstly you need to choose a standard style of rainhead; round, box, curved, tapered and segmented. Queensland Sheet Metal can manufacture any custom rainwater head design to suit your needs. Rainwater heads are available in a variety of finishes and sizes and can be made for both residential and industrial applications.

Tapered



Tapered



Custom Tapered



Low Profile

Box



Flat Bottom



Splayed



Triangular



Diamond

Curved



Half Cylinder



Conical



Ned Kelly

Round



Circular



Half Round



Quarter Round



U Shape



Concave



Convex

Segmented



Colonial



Ornate

Quotes & Orders

If you would like to request a quote or place an order there are a few different ways that you can reach us:

Email

You can email through quotes or orders to **sales@qldsheetsmetal.com.au**

Fax

You can fax any quotes or orders to **07 3267 1510**

Phone

You can call us and request a quote or place an order over the phone on **07 3267 1010**

Online and Downloadable Forms

There are a variety of different forms on our website that you can use for both quotes and orders. You can submit quotes and orders directly through our website using these forms or alternatively there are form templates that you can download and send through via email or fax.

Office Location

Our office location and showroom are located at **115 Crockford St, Northgate**. You can request quotes or place orders with the sales staff on the front desk between **6:30am - 4:00pm Monday to Friday**. We also have many of our products shown on display for your viewing.

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