

METROCLAD®

EASY INSTALL, LOW COST CLADDING



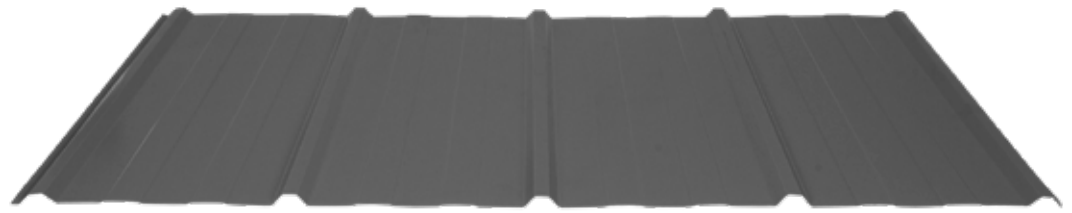
A Met-TECH™ GUIDE

MAY 2026



Metroll®

BETTER SERVICE • BETTER BUILDING SOLUTIONS



Cover: 864mm Height: 11mm

Metroclad® is low rib, custom length, high tensile steel wall cladding manufactured from 0.35mm and 0.42mm BMT COLORBOND®, ZINCALUME® and galvanised steel. Metroclad® is an ideal profile for rural, commercial and domestic applications; including tilt-up garage doors, screens, soffits, fascia and facade work.

FEATURES & BENEFITS

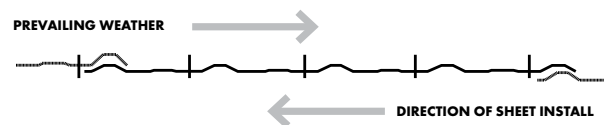
- Low rib
- Easy installation
- Cost effective
- Custom lengths
- Versatile & durable

	BMT mm	Steel Base Mpa	Mass Colorbond® kg/m ²	Mass Zinc kg/m ²	Max Spans mm*	
					End	Internal
METROCLAD®	0.35*	G550	3.20	3.14	1300	1650
WALLING	0.42	G550	3.79	3.73	1400	1750

*Not available in all locations. Check with your local Metroll branch.
Max. Spans are based on N2 Wind Category and 1.5mm substrate

FASTENERS

Metroclad® may be fastened to timber or steel supports by pan fixing adjacent to the overlapping rib. There should be 4 fasteners per sheet at every support. Always face side laps away from the prevailing weather. Screws are available in a variety of materials, finishes and colours to match COLORBOND® pre-painted steel and design. Use screws to AS 3566.1 (or better). Additional information on fastener finishes is in the BSL technical bulletin TB-16, which provides further guidance as to corrosivity category and fastener selection.



TIMBER SUPPORTS

WALL ONLY (VALLEY FIX)

#10 x 25mm Hex Head Type 17 Screw + EPDM Washer, OR
M6 x 25mm Hex Head Universal Screw+ EPDM Washer

STEEL SUPPORTS 0.48mm TO 1.5mm BMT

WALL ONLY (VALLEY FIX)

M6 x 25mm Hex Head Universal Fastener + EPDM Washer

STEEL SUPPORTS 1.5mm TO 4.5mm BMT

WALL ONLY (VALLEY FIX)

#10 x 16mm Hex Head Self Drilling Screw + EPDM Washer

SIDE LAP FASTENERS (WHERE REQUIRED)

#10 x 16mm Hex Head Self Drilling Screw + EPDM Washer, OR
3.2mm Sealed Blind Aluminium Rivet

SIDE LAPS

It is considered good practice to use fasteners on side laps, although these are generally not necessary when the sheeting is supported as indicated in the max. span table or for wall cladding spans under 1200mm. Side lap fastening should be considered if the weather resistance of the joint is questionable for any reason.

What is Met-TECH™?

Met-TECH™ is Metroll's Technical Resource Centre. It is the one stop shop for all of Metroll's product and technical information. Perfect for builders, contractors and specifiers to source all the information they may require. You can find other Met-TECH™ items on our website www.metroll.com.au/resources

LENGTH

Metroll supplies Metroclad® cut to order as required. Maximum recommended length is 8m. Lengths for manufacture need to be site measurements and not taken off plans.

TOLERANCES

Consideration should be given to the following manufacturing tolerances:

Length +0mm, -15mm **Width** ± 4mm

METROCLAD® OVERHANGS

The overhangs on Metroclad® are limited to the values in the following table. Overhangs have a minimum length of 50mm. Stiffened overhangs incorporate an angle or gutter attached to the sheet end.

WALLING		
BMT (mm)	Plain (mm)	Stiffened (mm)
0.35	150	200
0.42	200	250

- Plain overhangs are limited to 20% of the adjacent end span.
- Stiffened overhangs are limited to 33% of the adjacent end span.

MATERIAL SPECIFICATION & SCOPE

All walling should be specified on drawings as Metroclad®, manufactured by Metroll and installed in accordance with the manufacturers recommendations. Base sheet steel is G550 with specified finish.

MATERIAL COMPATIBILITY

Never use lead flashings with Metroclad® sheeting made from COLORBOND® and ZINCALUME® steels. Lead, copper, bare metal and some chemically treated timbers are not compatible with Metroclad®.

THERMAL EXPANSION

Change in temperature will cause all metals to expand and contract. There is minimal effect with steel roofing and walling, however care must be taken when long sheet runs are used and high temperature variations occur. Metroll recommends the following maximum runs:

	Dark Colours	Light Colours
Metroclad®	Up to 17m	Up to 24m

CLEAN UP

Prior to departing the work site remove all foreign debris, screws, rivets and especially any swarf created by drilling or cutting from the wall surface and/or inside gutters. Failure to do so may result in premature corrosion of the wall or gutters.

CARE, HANDLING & STORAGE

Care should be taken at all times when handling sheets to preserve the quality of the finish. Keep packs dry, stored clear of the ground and protected from rain and moisture. Any sheets which become wet should be separated, wiped and placed in the open air to dry.

CUTTING

Cut sheets with a method and in a location so that damage is avoided to sheets and other building products. Material should be cut on the ground and not above other materials. Remove all swarf and debris from the work and installation area. Sheets may be cut using a power saw with a steel cutting blade, a power nibbler or with tin snips. Avoid using abrasive discs as these can cause edge and coating damage.

AVAILABILITY & DELIVERY

Metroclad® is available from the national network of Metroll branches. Contact your local Metroll branch for lead times, colours and availability.

Ensuring suitable arrangements are made to assist the unloading of Metroll trucks will help supply material in good order. When lifting long lengths by crane please ensure the load is evenly spread. Where a crane cannot be made available it is the customers responsibility to provide sufficient labour to assist the driver in unloading.

ADVERSE CONDITIONS

Ensure dirt or foreign material is not stacked against Metroclad® walls. Localised environmental conditions can impact the corrosive nature of a site which may impact on material choice. Conditions that may impact on material choice include; direction of prevailing winds, rainfall intensity, duration of exposure, temperature, shelter and areas not washed by rainfall. Contact your local Metroll branch if you intend to use Metroclad® within 1 km of industrial, chemical, marine or corrosive environments.

OIL CANNING

Oil canning appears as waviness or rippling in the flat areas of metal panels. It is a characteristic of light gauge cold rolled metal roofing and cladding products. It can occur on all types of metal sheeting and is not considered a defect. Oil canning is a cosmetic issue and does not affect the structural integrity of the product. Oil canning may occur due to installation methods, thermal expansion and contraction and material colour. To minimise the risk of oil canning, avoid twisting or bending the sheets when handling the product. For more information please refer to the Oil Canning Data Sheet on our website.

0.35mm METROCLAD® LIMIT STATE CAPACITY TABLES

Tables and values must be used in conjunction with the Design Notes to Limit State Capacity Tables. 0.35 is not available in all locations. Check with your local Metroll branch.

0.35mm METROCLAD® WITH #10 SCREWS

LIMIT STATE	SPAN TYPE	SUPPORT THICKNESS (mm)	PRESSURE (kPa) FOR SPAN (mm)				
			600	900	1200	1500	1800
SERVICEABILITY	Internal	All	2.96	1.70	1.16	0.76	0.40
	End	All	2.29	1.18	0.66	0.42	0.30
STRENGTH	Internal	>1.50	9.69	6.52	4.63	3.49	2.76
		1.20	8.49	5.66	4.24	3.40	2.76
		1.00	6.17	4.12	3.09	2.47	2.06
		0.75	4.63	3.09	2.31	1.85	1.54
		0.55	4.63	3.09	2.31	1.85	1.54
		0.48	3.86	2.57	1.93	1.54	1.29
	End	>1.50	7.89	5.00	3.39	2.44	1.82
		1.20	7.64	5.00	3.39	2.44	1.82
		1.00	5.56	3.70	2.78	2.22	1.82
		0.75	4.17	2.78	2.08	1.67	1.39
		0.55	4.17	2.78	2.08	1.67	1.39
		0.48	3.47	2.31	1.74	1.39	1.16

0.35mm METROCLAD® WITH M6 SCREWS

LIMIT STATE	SPAN TYPE	SUPPORT THICKNESS (mm)	PRESSURE (kPa) FOR SPAN (mm)				
			600	900	1200	1500	1800
SERVICEABILITY	Internal	All	2.96	1.70	1.16	0.76	0.40
	End	All	2.29	1.18	0.66	0.42	0.30
STRENGTH	Internal	>1.50	9.69	6.52	4.63	3.49	2.76
		1.20	9.69	6.52	4.63	3.49	2.76
		1.00	9.69	6.52	4.63	3.49	2.76
		0.75	8.49	5.66	4.24	3.40	2.76
		0.55	5.40	3.60	2.70	2.16	1.80
		0.48	4.63	3.09	2.31	1.85	1.54
	End	>1.50	7.89	5.00	3.39	2.44	1.82
		1.20	7.89	5.00	3.39	2.44	1.82
		1.00	7.89	5.00	3.39	2.44	1.82
		0.75	7.64	5.00	3.39	2.44	1.82
		0.55	4.86	3.24	2.43	1.94	1.62
		0.48	4.17	2.78	2.08	1.67	1.39

DESIGN NOTES

- For timber battens/purlins, use >1.50 support thickness values.
- Type 17 screws must penetrate more than 25mm into hardwood or 35mm into softwood.
- Metal supports are produced from hi-tensile steel.
- For most economic results use longer internal spans than end spans (in a ratio of 10:8).
- Equal span systems must be designed using end span values.

0.42mm METROCLAD® LIMIT STATE CAPACITY TABLES

Tables and values must be used in conjunction with the Design Notes to Limit State Capacity Tables

0.42mm METROCLAD® WITH #10 SCREWS

LIMIT STATE	SPAN TYPE	SUPPORT THICKNESS (mm)	PRESSURE (kPa) FOR SPAN (mm)				
			600	900	1200	1500	1800
SERVICEABILITY	Internal	All	3.85	2.10	1.35	0.87	0.51
	End	All	2.96	1.64	1.05	0.68	0.41
STRENGTH	Internal	>1.50	12.09	7.97	5.53	4.15	3.38
		1.20	8.49	5.66	4.24	3.40	2.83
		1.00	6.17	4.12	3.09	2.47	2.06
		0.75	4.63	3.09	2.31	1.85	1.54
		0.55	4.63	3.09	2.31	1.85	1.54
		0.48	3.86	2.57	1.93	1.54	1.29
	End	>1.50	10.47	6.81	4.64	3.35	2.59
		1.20	7.64	5.09	3.82	3.06	2.55
		1.00	5.56	3.70	2.78	2.22	1.85
		0.75	4.17	2.78	2.08	1.67	1.39
		0.55	4.17	2.78	2.08	1.67	1.39
		0.48	3.47	2.31	1.74	1.39	1.16

0.42mm METROCLAD® WITH M6 SCREWS

LIMIT STATE	SPAN TYPE	SUPPORT THICKNESS (mm)	PRESSURE (kPa) FOR SPAN (mm)				
			600	900	1200	1500	1800
SERVICEABILITY	Internal	All	3.85	2.10	1.35	0.87	0.51
	End	All	2.96	1.64	1.05	0.68	0.41
STRENGTH	Internal	>1.50	12.09	7.97	5.53	4.15	3.38
		1.20	10.80	7.20	5.40	4.15	3.38
		1.00	10.03	6.69	5.02	4.01	3.34
		0.75	8.49	5.66	4.24	3.40	2.83
		0.55	5.40	3.60	2.70	2.16	1.80
		0.48	4.63	3.09	2.31	1.85	1.54
	End	>1.50	10.47	6.81	4.64	3.35	2.59
		1.20	9.72	6.48	4.64	3.35	2.59
		1.00	9.03	6.02	4.51	3.35	2.59
		0.75	7.64	5.09	3.82	3.06	2.55
		0.55	4.86	3.24	2.43	1.94	1.62
		0.48	4.17	2.78	2.08	1.67	1.39

DESIGN NOTES

- For timber battens/purlins, use >1.50 support thickness values.
- Type 17 screws must penetrate more than 25mm into hardwood or 35mm into softwood.
- Metal supports are produced from hi-tensile steel.
- For most economic results use longer internal spans than end spans (in a ratio of 10:8).
- Equal span systems must be designed using end span values.

0.35mm METROCLAD® SPAN CHART

Tables and values must be used in conjunction with the Design Notes to Limit State Capacity Tables.

0.35 is not available in all locations. Check with your local Metroll branch.

0.35mm METROCLAD® WITH #10 SCREWS

FASTENER	SPAN TYPE	SUPPORT THICKNESS (mm)	WALL SPANS (mm) FOR WIND CATEGORY					
			N1	N2	N3	N4	N5	N6
#10	Internal	>1.50	1650	1650	1400	1150	850	700
		1.20	1650	1650	1400	1150	850	700
		1.00	1650	1650	1400	1150	850	600
		0.75	1650	1650	1350	900	600	
		0.55	1650	1650	1350	900	600	
		0.48	1650	1650	1150	750		
	End	>1.50	1300	1300	1100	850	650	
		1.20	1300	1300	1100	850	650	
		1.00	1300	1300	1100	850	650	
		0.75	1300	1300	1050	700		
		0.55	1300	1300	1050	700		
		0.48	1300	1300	900	600		

0.35mm METROCLAD® WITH M6 SCREWS

FASTENER	SPAN TYPE	SUPPORT THICKNESS (mm)	WALL SPANS (mm) FOR WIND CATEGORY					
			N1	N2	N3	N4	N5	N6
M6	Internal	>1.50	1650	1650	1400	1150	850	700
		1.20	1650	1650	1400	1150	850	700
		1.00	1650	1650	1400	1150	850	700
		0.75	1650	1650	1400	1150	850	700
		0.55	1650	1650	1400	1050	750	
		0.48	1650	1650	1350	900	600	
	End	>1.50	1300	1300	1100	850	650	
		1.20	1300	1300	1100	850	650	
		1.00	1300	1300	1100	850	650	
		0.75	1300	1300	1100	850	650	
		0.55	1300	1300	1100	800	600	
		0.48	1300	1300	1050	700		

DESIGN NOTES

- For timber battens/purlins, use >1.50 support thickness values.
- Type 17 screws must penetrate more than 25mm into hardwood or 35mm into softwood.
- Metal supports are produced from hi-tensile steel.
- For most economic results use longer internal spans than end spans (in a ratio of 10:8).
- Equal span systems must be designed using end span values.

0.42mm METROCLAD® SPAN CHART

Tables and values must be used in conjunction with the Design Notes to Limit State Capacity Tables

0.42mm METROCLAD® WITH #10 SCREWS

FASTENER	SPAN TYPE	SUPPORT THICKNESS (mm)	WALL SPANS (mm) FOR WIND CATEGORY					
			N1	N2	N3	N4	N5	N6
#10	Internal	>1.50	1750	1750	1500	1250	1000	800
		1.20	1750	1750	1500	1250	1000	800
		1.00	1750	1750	1500	1200	850	600
		0.75	1750	1750	1350	900	600	
		0.55	1750	1750	1350	900	600	
		0.48	1750	1750	1150	750		
	End	>1.50	1400	1400	1200	1000	800	600
		1.20	1400	1400	1200	1000	800	600
		1.00	1400	1400	1200	950	650	
		0.75	1400	1400	1050	700		
		0.55	1400	1400	1050	700		
		0.48	1400	1400	900	600		

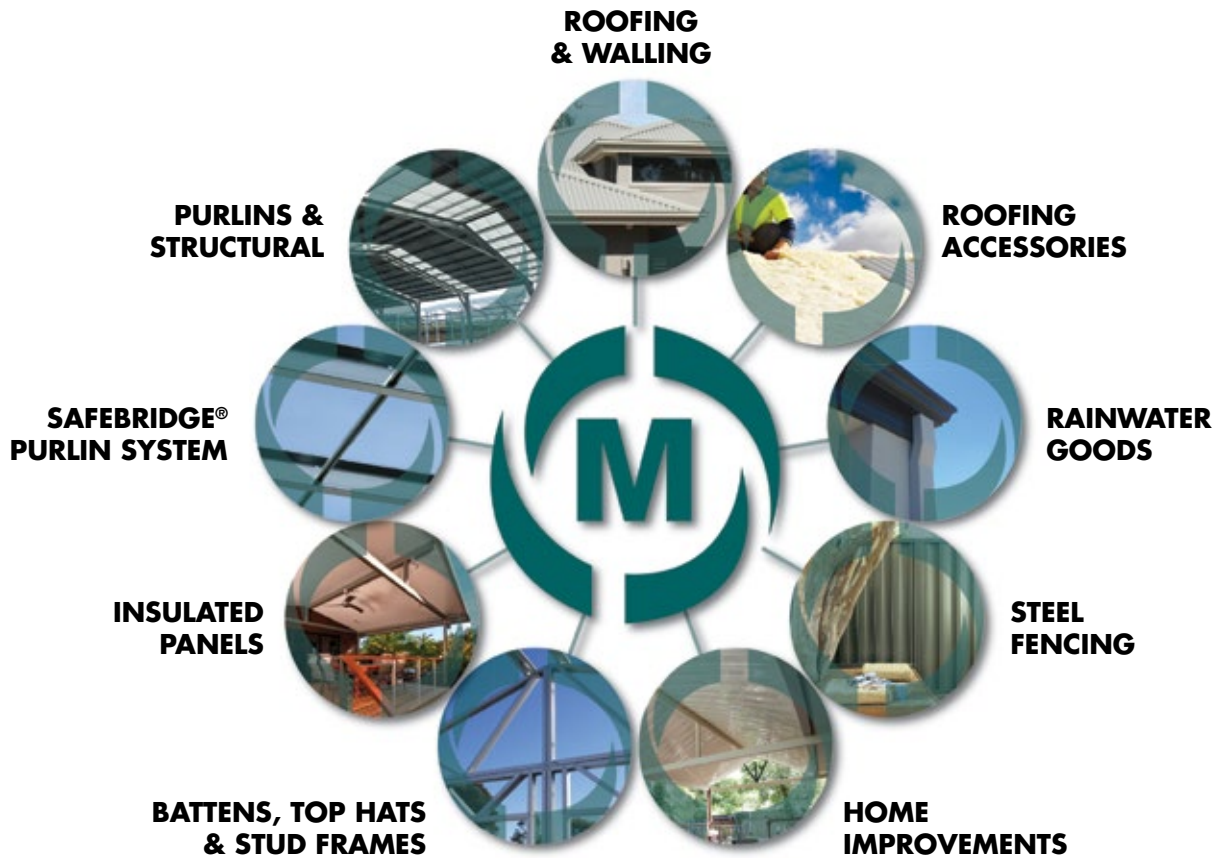
0.42mm METROCLAD® WITH M6 SCREWS

FASTENER	SPAN TYPE	SUPPORT THICKNESS (mm)	WALL SPANS (mm) FOR WIND CATEGORY					
			N1	N2	N3	N4	N5	N6
M6	Internal	>1.50	1750	1750	1500	1250	1000	800
		1.20	1750	1750	1500	1250	1000	800
		1.00	1750	1750	1500	1250	1000	800
		0.75	1750	1750	1500	1250	1000	800
		0.55	1750	1750	1500	1050	750	
		0.48	1750	1750	1350	900	600	
	End	>1.50	1400	1400	1200	1000	800	600
		1.20	1400	1400	1200	1000	800	600
		1.00	1400	1400	1200	1000	800	600
		0.75	1400	1400	1200	1000	800	600
		0.55	1400	1400	1200	800	600	
		0.48	1400	1400	1050	700		

DESIGN NOTES

- For timber battens/purlins, use >1.50 support thickness values.
- Type 17 screws must penetrate more than 25mm into hardwood or 35mm into softwood.
- Metal supports are produced from hi-tensile steel.
- For most economic results use longer internal spans than end spans (in a ratio of 10:8).
- Equal span systems must be designed using end span values.

Can we assist with any additional Steel Building Products?



QLD

Brisbane	07 3375 0100
Bundaberg	07 4155 5999
Cairns	07 4054 0888
Mackay	07 4968 1255
Rockhampton	07 4920 0900
Sunshine Coast	07 5493 7872
Toowoomba	07 4634 6144
Townsville	07 4779 8266

NSW

Albury	02 6043 6800
Canberra	02 6298 2777
Dubbo	02 6883 4800
Lismore	02 6622 6677
Newcastle	02 4954 5799
Smithfield	02 9756 5277
Sydney	1300 766 346
Tamworth	02 6765 4799
Wagga Wagga	02 5924 4500

VIC

Ballarat	03 5335 6416
Geelong	03 5248 2006
Laverton	03 8369 8300
Pakenham	03 8710 9300
Sunshine	03 9480 3744
TAS	
Hobart	03 6335 8555
Launceston	03 6335 8555

NT

Darwin	08 8935 9555
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SA

Adelaide	08 8282 3300
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WA

Albany	08 9841 6966
Bunbury	08 9796 9796
Kalgoorlie	08 9024 1388
Perth	08 9365 5444

30 Metroll Branches Nationwide

Visit our website
metroll.com.au



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