

metroll
architectural
collection

MAC Distinction®



**DESIGN WITH
DISTINCTION**
BUILD WITH STYLE

Colorbond®

 **Metroll®**
BETTER SERVICE • BETTER BUILDING SOLUTIONS



MAC - the Metroll Architectural Collection, is a range of contemporary roofing and walling products created specifically with leading edge design in mind.

The many options for material and application provide limitless scope for design, and the quick and easy installation saves cost and time.



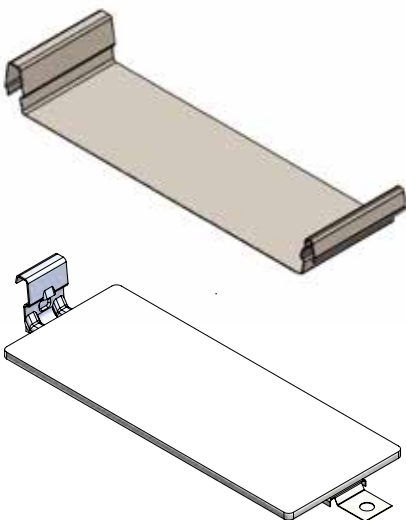
MAC Distinction®

DESIGN WITH DISTINCTION

BUILD WITH STYLE



MAC Distinction® roofing and walling is an innovative concealed fix panel system with a vast range of design applications for residential and commercial projects.



This exceptional product has received phenomenal response due to its long lines, abundant capacity for creative application and ease of install.

Panel Widths	322 mm
Rib Height	42 mm
Panel Lengths	Up to 20m. Longer lengths available. Restrictions may apply.

MAC DISTINCTION® - ROOFING (NON CYCLONIC)

BMT mm	STEEL BASE MPa	MIN. PITCH	MAX. SPANS (mm)	
			END	INTERNAL
0.60	G300	1°	900	1200

MAC DISTINCTION® - WALLING

0.60	G300		1200	1500
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FOOT TRAFFIC LIMITS

- Foot traffic limits are based on AS/NZS 1170.1 for R2 - Other roofs.
- All traffic must use the designated foot traffic path and, at all times, follow safe practices.
- When walking on MAC Distinction® roof sheeting always wear flat rubber soled shoes and walk only in the roof pans. Walk only above supports where possible.

CLIPS & FASTENERS

MAC Distinction® is fixed to supports by MAC Distinction® clips.

TIMBER SUPPORTS HARD OR SOFT	M6 - 11 x 25 mm Hex Head w Seal or Type 17 x 25 mm Hex Head
STEEL SUPPORTS < 1.9mm BMT	M6 - 11 x 25 mm Hex Head
STEEL SUPPORTS TO METAL BATTENS 0.55 - 1.0mm	M6 - 11 x 25 mm or 10 - 16 mm Hex Head Metal Tek's w Seal

MATERIAL AVAILABILITY

COLORBOND® Steel
 COLORBOND® Matt
 COLORBOND® Ultra
 Aluminium - Subject to enquiry

FRONT COVER:

Morley Recreational Centre - WA
 Photography courtesy of Byte Construct



SPAN CHARTS

Tables and values must be used in conjunction with the Design Notes below. These tables apply only for the listed products.

DESIGN NOTES

- Spans shown reflect the minimum value of the Serviceability, Strength and Foot Traffic tables.
- Wind category is based on AS 4055 and results include an allowance for local pressure factors.
- If roof pitch is less than 10 degrees, increase the Wind Category upwards by 1 and apply to an area not less than 1.2m from all corners.
- Metal supports are produced from a minimum of 0.55mm 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.

MAC DISTINCTION® 0.60 BMT

FASTENER FREQUENCY	SPAN TYPE	SUPPORT THICKNESS (mm)	ROOF SPANS (mm) FOR WIND CATEGORY			
			N1	N2	N3	
1 fastener/ sheet/ batten	Internal	1.50+	1200	1200	700	
		1.20	1200	1200	700	
		1.00	1200	1200	700	
		0.75	1200	1050	650	
		0.55	1200	1050	650	
		0.48	1200	850	550	
	End	1.50+	900	900	550	
		1.20	900	900	550	
		1.00	900	900	550	
		0.75	900	850	550	
		0.55	900	850	550	
		0.48	900	700	450	
	FASTENER FREQUENCY	SPAN TYPE	SUPPORT THICKNESS (mm)	WALL SPANS (mm) FOR WIND CATEGORY		
				N1	N2	N3
1 fastener/ sheet/ batten	Internal	1.50+	1500	1500	1500	
		1.20	1500	1500	1500	
		1.00	1500	1500	1500	
		0.75	1500	1400	900	
		0.55	1500	1400	900	
		0.48	1500	1150	750	
	End	1.50+	1200	1200	1200	
		1.20	1200	1200	1200	
		1.00	1200	1200	950	
		0.75	1200	1100	700	
		0.55	1200	1100	700	
		0.48	1200	950	600	

LIMIT STATE CAPACITY TABLES

Tables and values must be used in conjunction with the Design Notes below. These tables apply only for the listed products.

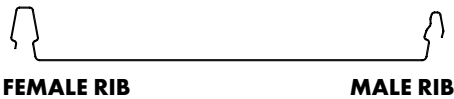
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- Equal span systems must be designed using end span values.

LIMIT STATE	SPAN TYPE	SUPPORT THICKNESS (mm)	PRESSURE (kPa) FOR SPAN (mm)					
			300	450	600	900	1200	1500
Serviceability	Internal	All		1.59	1.48	1.6	1.6	1.66
	End	All	1.59	1.48	1.6	1.6	1.66	
Strength	Internal	1.50+		2.79	2.87	2.58	2.54	2.21
		1.20		2.79	2.87	2.58	2.54	2.21
		1.00		2.79	2.87	2.58	2.07	1.66
		0.75		2.79	2.87	2.07	1.55	1.24
		0.55		2.79	2.87	2.07	1.55	1.24
		0.48		2.79	2.59	1.73	1.29	1.04
	End	1.50+	2.79	2.87	2.58	2.54	2.21	
		1.20	2.79	2.87	2.58	2.54	2.21	
		1.00	2.79	2.87	2.58	2.48	1.86	
		0.75	2.79	2.87	2.58	1.86	1.40	
		0.55	2.79	2.87	2.58	1.86	1.40	
		0.48	2.79	2.87	2.33	1.55	1.16	

MAC DISTINCTION® INSTALLATION

MAC DISTINCTION® PANEL PROFILE



FEMALE RIB

MALE RIB

MAC DISTINCTION® CLIP

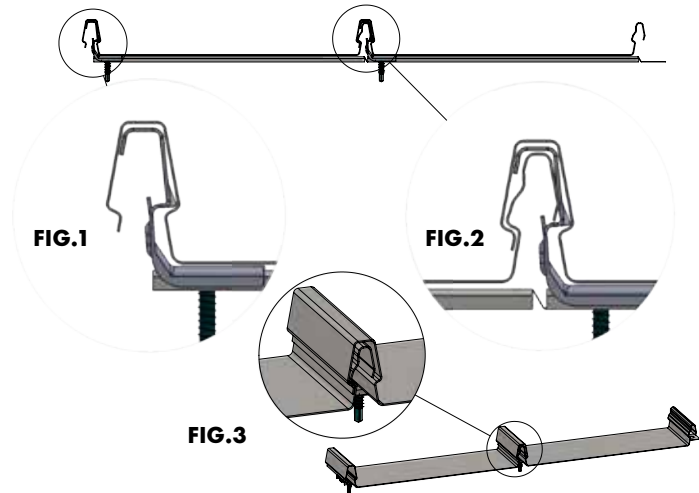
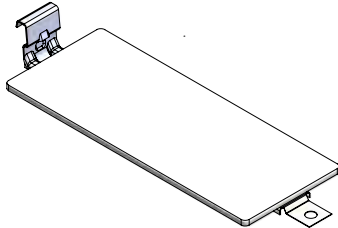
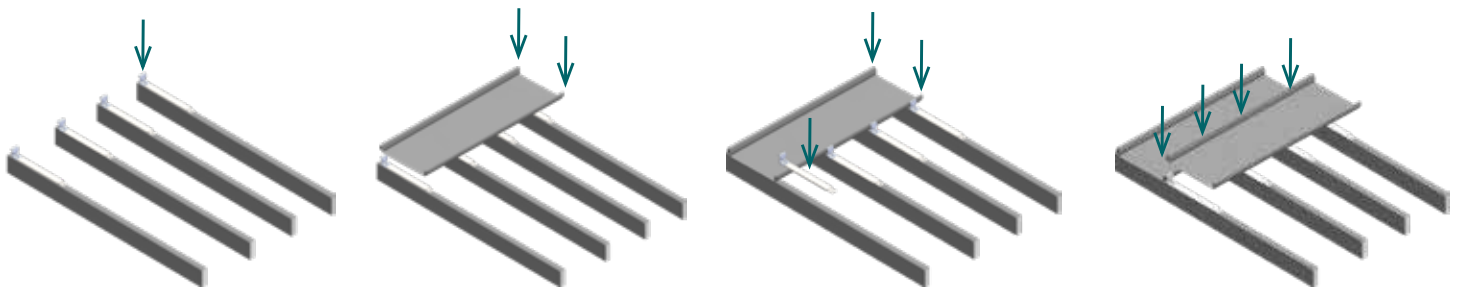


FIG.1

FIG.2

FIG.3



STEP 1

STEP 2

STEP 3

STEP 4

Fix the MAC Distinction® clips to supports with the specified fasteners.

Install the first sheet ensuring correct orientation so the female rib engages with the first line of clip heads (FIG.1). Press down firmly to ensure the rib engages with the clip.

Install the next line of clips by fixing them over the top of the male rib on the previously installed sheet.

Install the next panel by clipping it onto the clips (FIG.2).

Ensure the tail of the clip runs in the direction of lay. Install sheeting so overlaps face away from the direction of the prevailing weather.

(FIG.1). Press down firmly to ensure the rib engages with the clip.

Fix clips in place with the specified fasteners.

When installed correctly the clip sits between the male and female ribs (FIG.3).

Use a string line to check alignment during installation.

WA	METROLL PERTH 5 Chilver St Kewdale, WA 6105 P: 08 9365 5444	METROLL KALGOORLIE 45 Gt. Eastern Hwy West Kalgoorlie, WA 6430 P: 08 9024 1388	METROLL ALBANY 179 Chester Pass Rd Albany, WA 6330 P: 08 9841 6966	METROLL BUNBURY 11 Proffitt St Bunbury, WA 6230 P: 08 9796 9796
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SA
METROLL ADELAIDE
70 - 72 Rundle Rd
Salisbury South, SA 5106
P: 08 9365 5444

OIL CANNING is an inherent characteristic of non-ferrous metals with broad flat areas. The Architect, Builder and Homeowner needs to be aware that Oil Canning may affect the overall aesthetic outcome. There are measures that can be taken during design and installation to minimise the risk, such as ensuring the plywood is flush, the panels are fixed vertically, limiting the continuous length of each panel and reducing the size of the pan. For more information please contact Metroll.

MAC_D_NOV23

All reasonable care has been taken in the compilation of the information contained in this brochure. All recommendations on the use of Metroll products are made without guarantee as conditions of use are beyond the control of Metroll. It is the customer's responsibility to ensure that the product is fit for its intended purpose and that the actual conditions of use are suitable. Metroll pursues a policy of continuous development and reserves the right to amend specifications without prior notice. The Metroll M and Logo are registered trademarks of Metroll. COLORBOND® is a registered trademark of BlueScope Steel Limited.



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