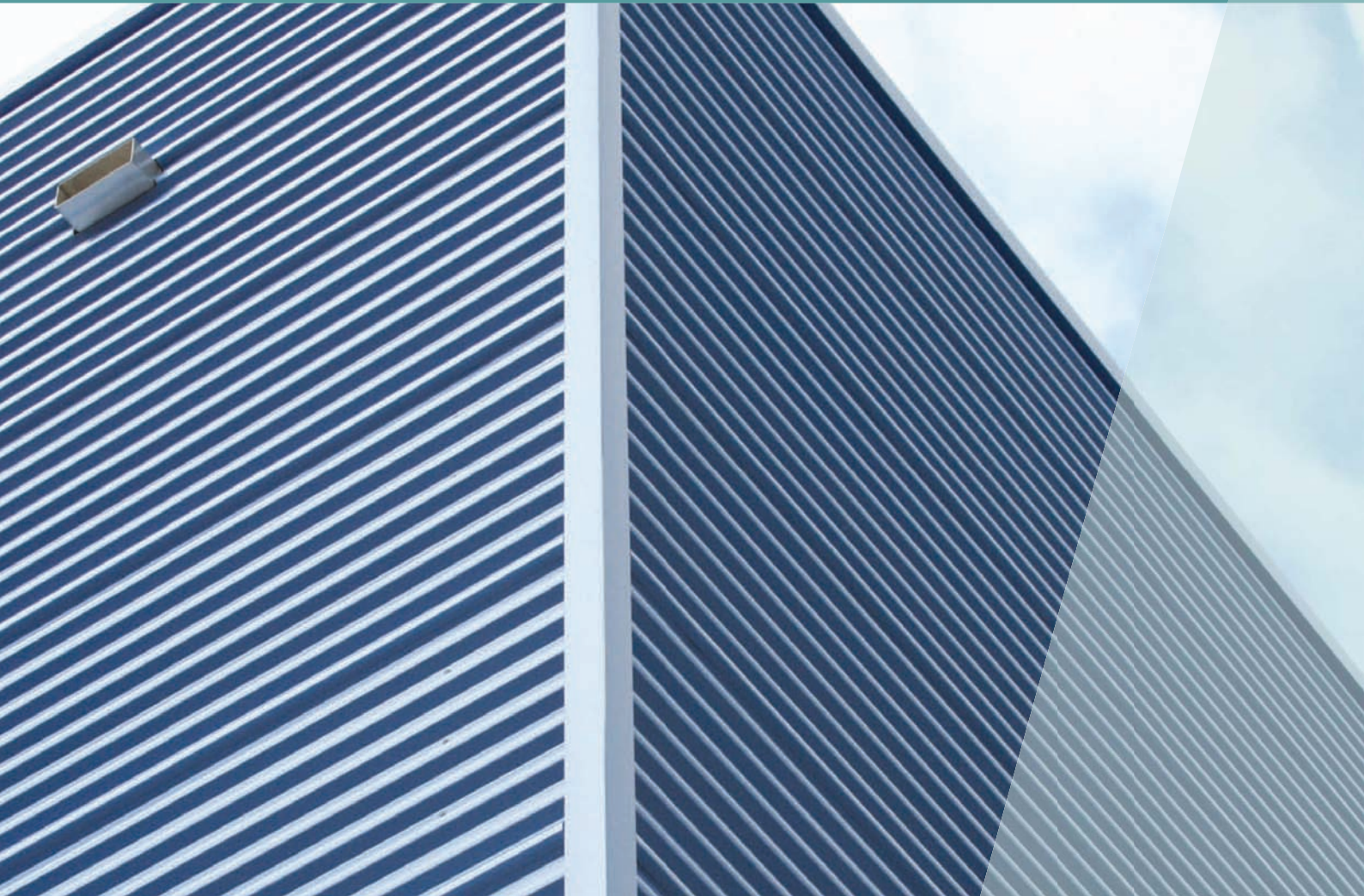


# METROSPAN®

LIGHTWEIGHT, HIGH STRENGTH ROOFING & WALLING



A Met-TECH™ GUIDE

DECEMBER 2018



**Metroll®**

BETTER SERVICE • BETTER BUILDING SOLUTIONS

# METROSPAN®



**Cover: 700mm    Height: 24mm**

Metrospan® is roll formed, custom length, high tensile steel roofing and wall sheeting manufactured from 0.42mm and 0.48mm BMT COLORBOND® steel, ZINCALUME® steel and galvanised steel. Metrospan® is ideal for roofing and wall cladding on commercial and industrial buildings, roofing for new homes, home extensions, carports, garages, patios, fascia and facade work.

## FEATURES & BENEFITS

- Custom lengths
- Long lengths
- Longer spans
- High strength
- Low roof pitch
- Multi-purpose

### METROSPAN® - ROOFING

BMT mm	Steel Base Mpa	Mass CB* kg/m <sup>2</sup>	Mass Zinc kg/m <sup>2</sup>	Min. Pitch°	Max Spans mm	
					End	Internal
0.42	G550	4.74	4.66	2 (1 in 30)	1800	2400
0.48	G550	5.37	5.23	2 (1 in 30)	2200	3000

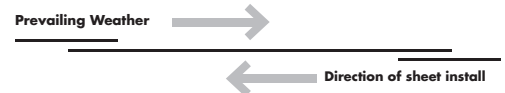
### METROSPAN® - WALLING

0.42	G550	4.74	4.66	2250	2750
0.48	G550	5.37	5.29	2450	3000

CB = Colorbond®

## FASTENERS

Metrospan® may be fastened to timber or steel supports by conventional crest fixing. There should be 4 fixings per sheet at ends and end laps, and 3 fixings per sheet at intermediate supports. Always face side laps away from the prevailing weather.



### Timber Supports

**Roofing** M6 - 11 x 65mm Roof Zips® Hex Head with seal

**Walling** M6 - 11 x 25mm Roof Zips® Hex Head with seal

### Steel Supports 0.42mm to 1.5mm BMT

**Roofing** M6 - 11 x 50mm Roof Zips® Hex Head with seal

**Walling** M6 - 11 x 25mm Roof Zips® Hex Head with seal (Valley Fix)

### Steel Supports 1.5mm to 4.5mm BMT

**Roofing** M5.5 x 50mm AutoTek® Hex Head with seal

**Walling** 10 - 16 x 16mm Hex Head

## 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](http://www.metroll.com.au/resources)

## 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 and used and high temperature variations occur. Metroll recommends the following maximum runs:

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

## DRAINAGE & OVERFLOW

Max Roof Run (m) for Slopes & Rainfall Intensity					
Rainfall Intensity mm/hr.	Metrospan® Roof Slope				
	1 in 30 2°	1 in 20 3°	1 in 12 5°	1 in 7.5	1 in 6 10°
100	97	111	133	154	173
150	65	74	89	103	115
200	49	55	67	77	86
250	39	44	53	62	69
300	32	37	44	51	58
400	24	28	33	39	43

- Rainwater run-off and drainage capacity may place some limitations on the total length of a sheet run and must be considered during the design and construction phase of a project.
- The total length of roof sheeting; which shall include end laps, expansion joints or steps and draining the roof in one direction, shall be considered as a single roof run.
- Thermal expansion must also be considered.
- Maximum production and transport lengths may limit availability.

## LENGTH

Metroll supplies Metrospan® cut to order as required; depending on load limit regulations set by local transport authorities. Lengths for manufacture need to be site measurements and not taken off plans. Length tolerance for Metrospan® is  $\pm 0$  -15mm.

## MATERIAL COMPATIBILITY

Never use lead flashings with Metrospan® sheeting made from COLORBOND® and ZINCALUME® steels. Avoid drainage from copper roofs onto COLORBOND®, ZINCALUME® or galvanised steel roofing or rainwater products. Lead, copper, bare metal and some chemically treated timbers are not compatible with Metrospan®.

## 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.

## 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 roof surface and/or inside gutters. Failure to do so may result in premature corrosion of the roof or gutters.

## WALKING ON METROSPAN®

When walking on Metrospan® roof sheeting always wear flat rubber soled shoes and only walk over areas where purlins or batten supports are installed.

## ADVERSE CONDITIONS

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 Metrospan® within 1km of industrial, chemical, marine or corrosive environments.

## MATERIAL SPECIFICATION & SCOPE

All roofing and walling should be specified on drawings as Metrospan®, manufactured by Metroll Pty Ltd and installed in accordance with the manufacturers recommendations. Base sheet steel is G550 / AZ150 with specified finish.

## AVAILABILITY & DELIVERY

Metrospan® 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.

# Can we assist with any additional Steel Building Products?



<b>QLD</b>		<b>NSW</b>		<b>VIC</b>		<b>TAS</b>	
Cairns	07 4054 0888	Lismore	02 6622 6677	Preston	03 9480 3744	Launceston	03 6335 8555
Townsville	07 4779 8266	Tamworth	02 6765 4799	Laverton	03 8369 8300	<b>NT</b>	
Mackay	07 4968 1255	Newcastle	02 4954 5799	Geelong	03 5248 2006	Darwin	08 8935 9555
Rockhampton	07 4920 0900	Sydney	1300 766 346	Ballarat	03 5335 6416	<b>WA</b>	
Bundaberg	07 4155 5999	Dubbo	02 6883 4800	Pakenham	03 8710 9300	Perth	08 9365 5444
Toowoomba	07 4634 6144	Wagga Wagga	02 5924 4500	<b>SA</b>		Bunbury	08 9796 9796
Sunshine Coast	07 5493 7872	<b>ACT</b>		Adelaide	08 8282 3300	Albany	08 9841 6966
Brisbane	07 3375 0100	Canberra	02 6298 2777				

## 26 Metroll Branches Nationwide

visit our new website  
[metroll.com.au](http://metroll.com.au)



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