

0.60 CORODEK®

FOR CURVED APPLICATIONS



A Met-TECH™ GUIDE

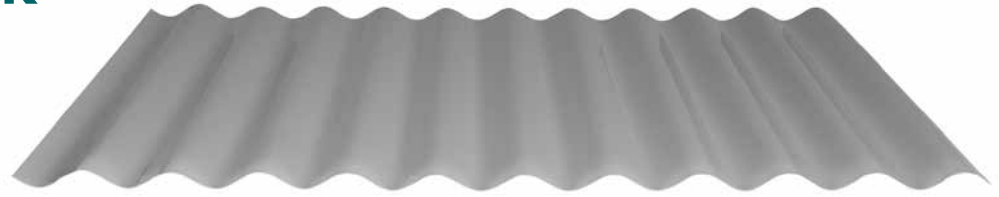
SEPTEMBER 2021



Metroll®

BETTER SERVICE • BETTER BUILDING SOLUTIONS

0.60 CORODEK®



Cover: 762mm Height: 16mm

0.60 Corodek® is high tensile steel, corrugated roofing and wall sheeting manufactured from 0.60mm BMT COLORBOND® steel, ZINCALUME® steel and galvanised steel. G300 soft feed steel is used in 0.60 Corodek® to allow for curving and bending.

FEATURES & BENEFITS

- Variety of curving styles
- Ideal for Heritage styles
- Wide range of COLORBOND® colours

0.60 CORODEK® - ROOFING

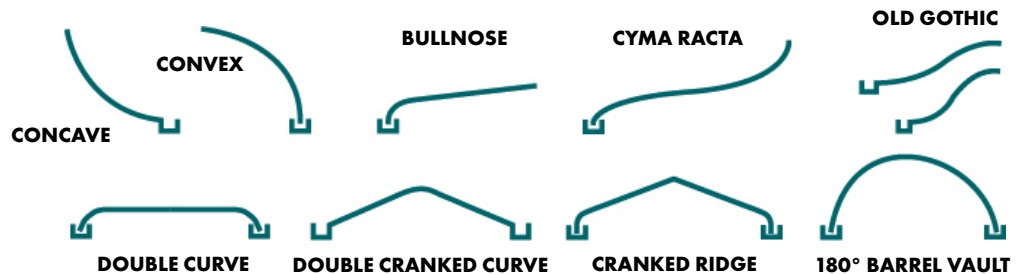
BMT mm	Steel Base Mpa	Mass Colorbond® kg/m ²	Mass Zinc kg/m ²	Min. Pitch°	Max Spans mm*	
					End	Internal
0.60	G300	5.95	5.88	5 (1 in 12)	1600	1800

0.60 CORODEK® - WALLING

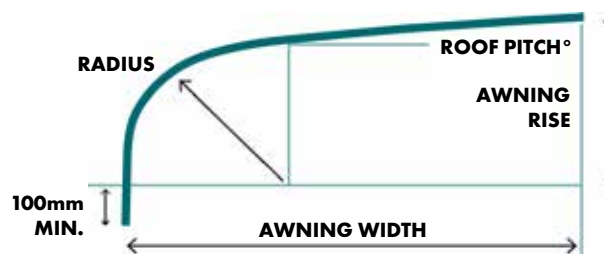
0.60	G300	5.95	5.88	2200	2700
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* Max. Spans are based on N2 Wind Category and 1.5mm substrate

CURVING STYLES



CURVING DETAILS



NOTE: Metroll takes no responsibility for variances on sheets curved from drawings. A template should be supplied to ensure accuracy. The min. recommended curving radius is 450mm.

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

FASTENERS

0.60 Corodek® may be fastened to timber or steel supports by conventional crest fixing. There should be 5 fixings per sheet at ends and end laps, and 3 fixings per sheet at intermediate supports. For severe exposure conditions, higher wind design pressures can be achieved by use of 5 fixings per sheet at intermediate supports. Always face side laps away from the prevailing weather.

FASTENERS

TIMBER SUPPORTS

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

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

STEEL SUPPORTS 0.42 to 1.5mm BMT

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

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

STEEL SUPPORTS 1.5 to 4.5mm BMT

ROOF M5.5 x 39mm AutoTek® Hex Head with seal

WALL 10-16 x 16mm Hex Head with seal (Valley Fix)

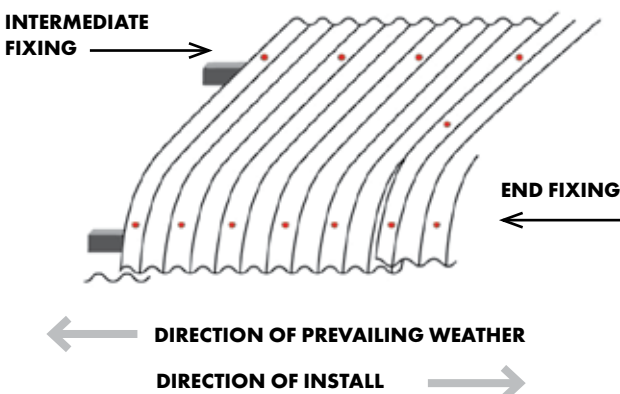
SUPPORT SPACINGS & END LAPS

For typical bullnose verandahs in non-traffic applications, the maximum allowable span is 1800mm. Overlapping sheets need to be secured at mid span with either a heavy duty pop rivet or stitching screw. For roofs with end laps the minimum lap is 200mm for pitches between 5 -15° and 150mm for pitches above 15°. For walls allow maximum end laps of 100mm.

NOTE: To allow for successful end lapping, always ensure lapped sheets are the same profile, gauge and coating type.

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 maximum span tables or for roof spans under 900mm and wall cladding spans under 1200mm. Side lap fastening should be considered if the weather resistance of the joint is questionable for any reason. It is common industry practice to fasten side laps on curved roofs



0.60 CORODEK® OVERHANGS

The overhangs on 0.60 Corodek® 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.

	Plain (mm)	Stiffened (mm)
ROOFING	200	250
WALLING	200	300

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

SPRING CURVING

BMT	CONCAVE ROOFS		CONVEX/ARCHED ROOFS		
	Min. Radius (m)	Support Spacing	Min. Radius (m)	Support Spacing	Max. Radius for Drainage (m)
0.60	8	800	9	900	35

RIDGE SPRING CURVING

Minimum Spacing of Supports at Ridge (mm)

BMT	PITCH		
	1 in 12 (5°)	1 in 10 (6°)	1 in 8 (6°)
0.48	1300	1400	1400

NOTES:

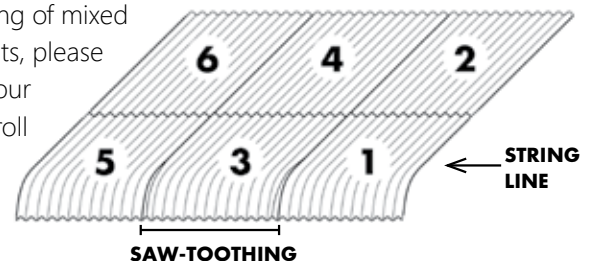
- Sides to be sealed the length of the curvature with appropriate silicone or sealing tape.
- Fasten each sheet on one side of the curve and pull down.
- Fix alternate sheets from the opposite side of the roof.
- Slight lip wave or crease marks may appear when subjected to foot traffic. These do not affect strength.
- Roof pitch in the non-curved area must not be less than standard recommendations.
- Rainfall intensity of 400mm/hr to be used for maximum drainage for curved roofs.
- Side laps only require sealing where the roof pitch is lower than the minimum radius of 5 degrees.

INSTALLATION

Use a level to lay the first sheet of 0.60 Corodek®. To ensure overlaps are snug Metroll recommends using a rope with a hook. Position the overlap and place the hook over the far end of the sheet running the rope down the overlap towards the curved end. Apply a downward force to the end of the rope while tapping the sheet. A loop in the end of the rope can act as a stirrup for the fixer. Always measure every third or fourth sheet to check for squareness.

LAYING SEQUENCE

For projects that require lapping of 0.60 Corodek®, ensure the below sequence of sheet installation is followed. For end lapping of mixed BMT sheets, please contact your local Metroll branch.



SAW-TOOTHING

Saw-toothing occurs when curved steel sheets are overlapped. This is an inherent part of bullnosing and cannot be avoided. To ensure that the roof is running square it is essential that the saw-tooth at each sheet end are equal in measurement.

LENGTH

Metroll supplies 0.60 Corodek® cut to order as required; depending on load limit regulations set by local transport authorities. Lengths for manufacture and shape/radius of curves need to be site measurements and not taken off plans. Length tolerance for 0.60 Corodek® is $\pm 10\text{mm}$.

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.

WALKING ON 0.60 CORODEK®

When walking on 0.60 Corodek® roof sheeting always wear flat rubber soled shoes and only walk over areas where purlins or batten supports are installed.

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.

MATERIAL SPECIFICATION & SCOPE

All roofing and walling should be specified on drawings as 0.60 Corodek®, 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 0.60 Corodek® 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 0.60 Corodek®.

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

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.

AVAILABILITY & DELIVERY

0.60 Corodek® 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.

27 Metroll Branches Nationwide

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metroll.com.au



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