

0436P METROLL CLADDING - PROFILED AND SEAMED SHEET METAL

Branded worksection

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Worksection abstract

This branded worksection *Template* is applicable to lightweight external wall cladding of METROLL profiled and seamed sheet metal products.

Background

The Australian profiled sheet steel industry is organised as follows:

- BlueScope manufactures COLORBOND® prepainted steel, ZINCALUME® steel and galvanized steel coils.
- METROLL use steel coils and proprietary machinery to shape steel into different profiles and cut sheets to length.
- Installers take off material quantities, order and install, often as subcontractors to the contractor.

How to use this worksection

Customise this worksection *Template* for each project. See [A guide to NATSPEC worksections \(www.natspec.com.au\)](http://www.natspec.com.au) for information on *Template* structure, word styles and completing a worksection.

Related material located elsewhere in NATSPEC

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections, including:

- 0182 *Fire-stopping*.
- 0331 *Brick and block construction* for brick veneer.
- 0342 *Light steel framing* for subframing.
- 0382 *Light timber framing* for subframing.
- 0471 *Thermal insulation and pliable membranes* for wall insulation, thermal break strips and vapour permeable membranes.
- 0511 *Lining* for internal lightweight linings.
- 0530 *Suspended ceilings - combined* for suspended soffits.
- 0671 *Painting* for in situ paint finishes.
- 0672 *Textured and membrane coatings* for in situ application of membrane and surface coatings.

Each of the following worksections contains a single cladding system and may be used if appropriate in addition to this worksection:

- 0432 *Curtain walls*.
- 0433 *Stone cladding*.
- 0434 *Cladding - flat sheets and panels*.
- 0435 *Cladding - planks and weatherboards*.
- 0437 *Cladding - insulated panel systems*.

Related branded worksections include:

- 0423p *METROLL roofing - profiled sheet metal*.
- 0424p *METROLL roofing - seamed sheet metal*.

Documenting this and related work

You may document this and related work as follows:

- Check if your cladding is required to be non-combustible, refer to BCA (2022) Section C and *ABCB Fire performance of external walls and cladding advisory note (2020)*. Consider adding a requirement in **SUBMISSIONS** for evidence of conformance from the contractor. If using a performance solution for facade cladding, type testing to AS 5113 (2016) may be used as the verification method for external walls.
- Weatherproofing: Conform to BCA (2022) F3D5 for Class 2 to Class 9 buildings or BCA (2022) H1D7 for Class 1 and 10 buildings. Alternatively, document a performance solution. Consider adding a requirement for evidence of conformance from the contractor. Refer to NATSPEC TECHnote DES 044 for information on weatherproofing of external walls.
- Document the structural support system to your office documentation policy.

- Locate the extent of cladding types, accessories and finishes on drawings to your office documentation policy.
- Penetrations: Show on the drawings the location and extent of penetrations for services and structural elements including flashing details.
- Document the location of openings and penetrations to avoid waste and panel handling times.
- For flush jointed fibre cement soffit lining import the relevant material from *0511 Lining*.
- If required, state the minimum thermal resistance (R-Value) (m².K/W). See NATSPEC TECHnote DES 031 for information on specifying R-Values.
- In bushfire-prone areas, document bushfire protection requirements to AS 3959 (2018) and the NCC. See NATSPEC TECHnote DES 018 for information on bushfire protection.
- Check lead time for imported selections and consider adding a requirement, in **SUBMISSIONS**, for the contractor to confirm availability.

The *Normal* style text of this worksection may refer to items as being documented elsewhere in the contract documentation. Make sure they are documented.

For example:

- Location of control joints.

Search acumen.architecture.com.au, the Australian Institute of Architects' practice advisory subscription service, for notes on the following:

- Guarantees and warranties.
- Site planning and design for bushfire.

Specifying ESD

The following may be specified by using included options:

- Metal cladding manufactured from recycled metal and/or is recyclable.

The following may be specified by including additional text:

- Metal cladding finished with low VOC or non-VOC finish.

Refer to NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

METROLL are one of Australia's largest manufacturers and suppliers of quality steel building products across residential, commercial and industrial markets. The product range includes roofing, walling, rainwater goods, structural and fencing products.

METROLL combine the benefits of being part of a large national organisation with emphasis on local service. METROLL has 29 manufacturing sites across the country which operate as small local businesses which means we truly understand the markets we operate in.

1.1 RESPONSIBILITIES

General

Requirement: Provide METROLL external wall cladding and associated work, as documented.

Documented is defined in *0171 General requirements* as meaning contained in the contract documents.

Corrosion resistance

Material: To the manufacturer's recommendations for distance from marine influence.

Distance from marine influence: [complete/delete]

The distance from marine influence can be used as a guide to determine the finish and grade of steel required, however other factors may also need consideration. For information on determining corrosivity categories in relation to environmental influences, see AS 2312.1 (2014) Table 2.1, AS 4312 (2019) Table 2.1 and Table 4.1. Refer to **CORROSION RESISTANCE, Atmospheric corrosivity category** in *0171 General requirements*, for the project corrosivity categories to AS 4312 (2019). Refer also to BlueScope Technical bulletins BlueScope TB-01A (2023) and BlueScope TB-01B (2022), which discuss the selection of steel roofing and walling products, and the correlation of distance to marine influence to the corrosion categories defined in AS 4312 (2019).

1.2 COMPANY CONTACTS

METROLL technical contacts

Website: www.metroll.com.au/contact/

1.3 CROSS REFERENCES

General

Requirement: Conform to the following:

- 0171 General requirements.

0171 General requirements contains umbrella requirements for all building and services worksections.

List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.

NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.

- 0185 Timber products, finishes and treatment.

1.4 STANDARDS

General

Standard: To AS 1562.1 (2018).

Metal wall cladding conforming to AS 1562.1 (2018) satisfies the weatherproofing requirements for wall cladding in BCA (2022) F3P1 as a NCC Deemed-to-Satisfy solution. If a performance solution is proposed, testing to AS/NZS 4284 (2008) is required.

1.5 MANUFACTURER'S DOCUMENTS

Edit the **Definitions** subclause to suit the project or delete if not required. List alphabetically.

Technical manuals

Website: www.metroll.com.au/metroll-resources-and-brochures-to-download/

1.6 INTERPRETATION

Definitions

General: For the purposes of this worksection, the definitions given in AS 1562.1 (2018) apply.

Edit the **Definitions** subclause to suit the project or delete if not required. List alphabetically.

1.7 TOLERANCES

Permitted deviations

Supporting members for profiled and seamed metal sheet cladding: To AS 1562.1 (2018) clause 4.2.3.

Structural steelwork for wall cladding: ±5 mm between bearing planes of adjacent supports.

1.8 SUBMISSIONS

Operation and maintenance manuals

Requirement: Submit manual to **COMPLETION**, **Operation and maintenance manuals**.

Products and materials

Type tests: Submit test results for the following:

- Facade: To **PRODUCTS, GENERAL, Tests**.

Type tests are carried out off site. However, submission of evidence of a successful type test may be called up here for requirements specified in **PRODUCTS**.

Evidence of delivery: Submit delivery docket as evidence of delivery of the following:

- [complete/delete]

If evidence of delivery to site is required for particular products, consider including this *Optional* style text by changing to *Normal* style.

Recycled material content: Submit documentation from BlueScope showing the following:

- Post-consumer recycled content: 17.4%.
- Pre-consumer recycled content: 6.8%.

BlueScope, on average, produces steel that contains 25% scrap material. Of this, the post-consumer recycled content is 17.4% and the pre-consumer recycled content is 6.8%.

If a certain percentage of recycled material content is required, consider including this *Optional* style text by changing to *Normal* style text.

Environmental Product Declaration (EPD): Submit an EPD to ISO 14025 (2006) with a Product Category Rule (PCR), used to calculate environmental impact indicators, to EN 15804 (2012) or ISO 21930 (2017).

METROLL have not currently produced their own EPDs but have participated in the development of BlueScope's EPD statements. METROLL supplies products made exclusively from BlueScope steel.

Nominate which products are required to have an EPD either here or in PRODUCTS.

An EPD is an independently verified and registered document that quantifies environmental information on the life cycle of a product to enable comparisons between products fulfilling the same function. EPDs can support carbon emission reduction by allowing a fair and equitable comparison of the impacts of different materials and products within specific product categories.

Prototypes

Requirement: Submit prototypes to EXECUTION, GENERAL, Prototypes.

Include this *Optional* style subclause by changing to *Normal* style text if the *Optional* EXECUTION, GENERAL, Prototypes subclause is included.

Samples

Requirement: Submit samples to PRODUCTS, GENERAL, Samples.

Substrate acceptance

Requirement: Submit evidence of installer's acceptance of the substrate or framing before starting installation.

Shop drawings

Shop drawings are necessary if some or all of the system is to be designed by the contractor or a specialist subcontractor to meet the performance criteria specified. If this is not the case, delete **Shop drawings**.

General: Submit shop drawings to a scale that best describes the detail, showing the following:

- [complete/delete]

e.g. Methods of fixing, required end and side laps, acoustic insulation, suppression of impact noise, provisions for thermal movement, flashing, thermal insulation, vapour barrier, control joint treatment, isolation of incompatible metals.

Warranties

Requirement: Submit warranties to COMPLETION, Warranties.

1.9 INSPECTION

Notice

Inspection: Give notice so that inspection may be made of the following:

- Framing, pliable membranes and insulation before covering up or concealing.

Edit to suit the project, adding critical stage inspections required.

Hold points, if required, should be inserted here.

2 PRODUCTS

2.1 GENERAL

Product substitution

Other products: Conform to **SUBSTITUTIONS** in 0171 *General requirements*.

SUBSTITUTIONS in 0171 *General requirements* sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

Product identification

General: Marked to show the following:

- Manufacturer's identification.
- Product brand name.
- Product type.
- Quantity.
- Product reference code and batch number.
- Date of manufacture.

Edit the list to suit the project or delete if not required.

Samples

Approved samples that define the acceptable limits of colour and texture variations are retained on site. If particular or additional samples are required, list them here.

Requirement: Provide samples of the following, showing the range of variation available:

- Cladding material.
- Trim and accessories with a colour finish.
- Custom profiled flashings and cappings.
- Profiled sheet metal cladding:
 - . Profiled sheet metal cladding finishes.
 - . Sealants.
- Seamed sheet metal cladding:
 - . Seamed sheet metal cladding finishes.
 - . Sealants.
 - . Pre-weathered finish to seamed sheet metal cladding.

Delete if not pre-weathered.

Sample size: [complete/delete]

Sample sizes are generally 300 x 300 mm or 600 x 600 mm.

Storage and handling

Requirement: Store and handle materials to the manufacturer's recommendations and the following:

- Protect materials including edges and surfaces from damage.
- Keep clean, dry and unexposed to weather.
- Do not drag sheets or panels across each other or over other materials.
- Sheeting: Stack flat and off the ground on at least 3 evenly placed bearers.
- Store metal materials away from uncured concrete and masonry on a level base.
- Do not store metal materials in contact with other materials that may cause staining, denting or other surface damage.
- Use gloves when handling metal cladding material.

Tests

0171 General requirements defines different tests in **INTERPRETATION, Definitions**.

Resistance to wind pressures:

- Non-cyclonic wind regions: To AS 1562.1 (2018) clause 5.5.
- Cyclonic wind regions: To AS 1562.1 (2018) clause 5.6.

Check if your cladding is required to be non-combustible, refer to BCA (2022) Section C and ABCB Fire performance of external walls and cladding advisory note (2020).

2.2 PROFILED SHEET METAL

Standards

Design and materials: To AS 1562.1 (2018).

METROLL profiled sheet cladding

Requirement: METROLL profiled steel sheet cladding, as documented.

Selection: To the **METROLL profiled sheet metal cladding schedule**.

2.3 SEAMED SHEET METAL

Standards

Design and materials: To AS 1562.1 (2018).

METROLL seamed sheet cladding

Requirement: METROLL seamed steel sheet cladding, as documented.

Selection: To the **METROLL seamed sheet metal cladding schedule**.

2.4 INTERLOCKING SHEET METAL PANELS

Standards

Design and materials: To AS 1562.1 (2018).

METROLL interlocking panel cladding

Requirement: METROLL interlocking steel panel cladding, as documented.

Selection: To the **METROLL interlocking sheet metal panel cladding schedule**.

2.5 SUBSTRATES

Plywood sheathing

A plywood sheathing substrate is an alternative to steel battens. Delete if steel battens are used or cladding is fixed direct to purlins or timber support.

Consider requirement for a fire resisting separation layer if a plywood sheathing substrate is being used and document requirements here.

Substrate: Flush finished continuous plywood sheathing, as documented.

Standard: To AS/NZS 2269.0 (2012).

Surface grade: DD.

AS/NZS 2269.0 (2012) defines five veneer qualities A, S, B, C and D, the lowest grade.

Bond: Type A.

Formaldehyde emission class: E₁.

Super E₀ and E₀ class may be available at additional cost and lead time. A formaldehyde emission class E₁ or less can improve indoor air quality.

Compliance with this subclause targets the Engineered Wood Products requirement for structural plywood within the Minimum Expectation level of the Exposure to Toxins credit in Green Star Buildings (2021):

- Structural plywood: 1.0 mg/L (E₁).

Thickness: 19 mm.

Identification: Sheets labelled under the authority of a recognised certification scheme to *0185 Timber products, finishes and treatment*.

Nominate the relevant certification schemes in *0185 Timber products, finishes and treatment*.

Steel battens

Standard: To AS/NZS 4600 (2018).

Requirement: To suit documented span, spacing and roofing material.

Steel battens are an alternative substrate to plywood sheathing. Delete if plywood sheathing is used or cladding is fixed direct to purlins or timber support.

Underlayer

Requirement: Sarking, as documented.

Document requirements for sarking, pliable membranes and insulation in *0471 Thermal insulation and pliable membranes*.

2.6 COMPONENTS

Fastenings

General: Type, size, corrosion resistance class and spacing to METROLL'S recommendations.

Profiled sheet metal:

- Finish for exposed fasteners on coloured cladding: Prefinish exposed fasteners with an oven baked polymer coating to match the cladding material.
- Fastenings to timber battens: Provide fasteners long enough to penetrate the thickness of the batten without piercing the underside.

Seamed sheet metal: Starter clips, fixing clips and fasteners to METROLL'S recommendations.

Refer to BlueScope TB-16 (2023) guide on selecting fasteners for roofing and walling.

Flashings

Requirement: To AS/NZS 2904 (1995).

Coordinate with *042 Roofing worksections*.

Sealant

Requirement: 100% neutral cure non-acid based silicone rubber to match cladding.

Accessories

Requirement: Provide accessories with the same finish as cladding sheets.

Coordinate with 0423p METROLL roofing - profiled sheet metal and/or 0424p METROLL roofing - seamed sheet metal.

3 EXECUTION**3.1 GENERAL****Plywood sheathing substrate installation**

Delete if plywood sheathing substrate is not required.

Installation: Lay the length of the sheets at right angles to the supports.

End joints: Stagger the end joints and locate centrally over framing members.

Edge support: If panels are not tongue and grooved, provide noggings or trimmers to support the edges.

Support spacing: Maximum 300 mm centres.

Fixing method:

- To timber support: Screw, or adhesive and nail.
- To steel support: Metallic-coated, self-drilling/tapping screws with the heads finishing below the surface.

Control joints: 12 mm gap at abutting building elements.

Detail the assembly to provide a 25 mm air gap between the plywood and insulation.

Steel batten installation

Delete if steel battens not required.

Requirement: Install battens to the manufacturer's recommendations.

Preparation

Substrates or framing: Before fixing cladding, check the alignment of substrates or framing and adjust if required.

Flexible underlay: Check that the underlay or insulation is restrained.

Cladding: Make sure the cladding is clean and free of dust and loose particles.

Installation

Standard: To AS 1562.1 (2018).

Requirement: Install cladding as follows:

- Fix sheeting firmly against framing to the manufacturer's recommendations.
- Plumb, level, straight and to documented tolerances.
- Fixed or anchored to the building structure in conformance with the wind action loading recommendations.
- Isolated from any building loads, including loads caused by structural deflection or shortening.
- Allow for thermal movement.

Provide for expansion and contraction of components. Temperature change due to climatic conditions must not cause harmful buckling, opening of joints, undue stress on fastening and anchors, noise or other defects.

Maximum expansion joint spacing (m): [complete/delete]

METROLL recommend the following maximum joint spacing:

- Dark coloured cladding: 17 m.
- Light coloured cladding: 24 m.

Cladding layout: Cut/fabricate and install cladding to suit the layout as documented.

Document the location of openings and penetrations to avoid waste and minimise panel handling times.

Protection: Protect surfaces and finishes, and retain protective film during installation.

Compatible components: Use sheets, panels and components from a single proprietary system and install to METROLL's recommendations.

Document control joints and flashings at windows, abutments and penetrations to METROLL's recommendations.

Fastener type, size, corrosion resistance class, and spacing: To METROLL's recommendations.

Ground clearance: Maintain documented clearance.

Cutting sheets: Wherever possible, factory cut to length. Do not use an abrasion disc.

Accessories: Provide material with the same finish as cladding sheets.

Swarf: Remove swarf and other debris as soon as it is deposited.

Prototypes

Requirement: Provide a prototype of each panel type, including at least one example of each component in the system to verify selections submitted as samples, to demonstrate aesthetic effects, to set quality standards for materials and execution, and to verify performance, including wind loading.

Inclusions:

- Typical components, attachments to building structure and methods of installation.
- Window opening with cladding panel, trim and returns.
- Sealant filled joint.

Type: [complete/delete]

Extent: [complete/delete]

e.g. Not less than 1800 mm long x 1200 mm high, not less than 4500 mm long x 3000 mm high.

Location: [complete/delete]

Preferably show on the drawings the location and extent of the prototype and the number and type of components to be included. Delete if the size of the project does not justify a prototype.

Incorporation: Subject to approval, incorporate the prototype in the completed works.

If a prototype is a project requirement, consider including this *Optional* style text by changing to *Normal* style text and completing the prompts.

Accessories and trim

Requirement: Provide accessories, flashings and trim required to complete the installation.

Metal separation

Make sure of compatibility or detail separation.

See AS 1562.1 (2018) Appendix C Table C3 for guidance on the compatibility of metals. See also SA HB 39 (2015) Section 2 on material selection. It is primarily a design responsibility that incompatible metals are not documented or shown to be in contact. Preferably show the separation method on the drawings.

Corrosion can result from water run-off between incompatible surfaces. See AS 1562.1 (2018) clause 3.4.3 and AS 1562.1 (2018) Appendix C Table C4. There are four conditions to be avoided:

- Run-off from copper and copper alloys onto aluminium, zinc, galvanized, or aluminium/zinc-coated surfaces.
- Run-off from glass onto stainless steel, zinc or galvanized surfaces.
- Run-off from plastic onto zinc or galvanized surfaces.
- Run-off from inert catchment surfaces such as glazed terracotta, prepainted steel, aluminium and aluminium/zinc onto zinc or galvanized surfaces.

In marine or high humidity environments, separate green hardwood from aluminium and coated steel.

Typical methods for metal separation include:

- Applying an anti-corrosion, low moisture transmission coating such as zinc or barium chromate primer or aluminium pigmented bituminous paint to contact surfaces.
- Inserting a separation layer such as polyethylene film, adhesive tape or bituminous felt.

Requirement: Prevent direct contact between incompatible metals, and between green hardwood or chemically treated timber and aluminium or coated steel, by either of the following methods:

- Apply an anti-corrosion, low moisture transmission coating to contact surfaces.
- Insert a separation layer.

Incompatible metal fastenings: Do not use.

Defective and damaged parts

Defective components: Do not install component parts that are defective, including warped, bowed, dented, chipped, scratched, abraded or broken members.

3.2 PROFILED SHEET METAL**Cladding profiled sheet installation**

METROLL profiled sheet steel cladding: To the manufacturer's recommendations.

Fixing

Fixing start location: [complete/delete]

Note the elevation that will allow fixing to proceed from leeward to the windward of prevailing wind.

3.3 SEAMED SHEET METAL**Cladding seamed sheet installation**

METROLL seamed sheet steel cladding: To the manufacturer's recommendations.

3.4 INTERLOCKING SHEET METAL PANELS**Cladding interlocking panel installation**

METROLL interlocking panel steel cladding: To the manufacturer's recommendations.

3.5 COMPLETION**Fasteners**

Requirement: Adjust for weathertightness without distortion of external panel face.

Reinstatement

Requirement: Replace damaged cladding, including cladding with scratches in the prepainted finish.

BlueScope does not recommend the use of touch-up paint to repair damage or scratches to the painted surface of COLORBOND® or ZINCALUME® steel. See BlueScope TB-02 (2022).

Cleaning

Requirement: Remove debris, metal swarf, solder, sealants and unused materials.

Exposed metal surfaces: Remove substances that interfere with uniform weathering or oxidation.

Protection: Remove protective film using methods required by the manufacturer after completion.

Protective film will withstand exposure to weather for a limited period of time before losing its peel-off characteristics and causing staining. The gloss coating changes when exposed to plasticisers.

Panels: Clean surfaces with soft, clean cloths and clean water to the manufacturer's recommendations.

Operation and maintenance manuals

Requirement: Prepare a manual that includes the manufacturer's published use, care and maintenance requirements.

Compliance with this subclause targets the Operations and Maintenance requirement within the Minimum Expectation level of the Verification and Handover credit in Green Star Buildings (2021).

Warranties

Refer to 0171 General requirements for appropriate warranty type and the terms covered in the warranty.

Selection of warranty type: Check warranty type is suitable for intended purpose for selected product or material.

Type: Manufacturer and installer interlocking warranty.

Refer to **Warranty types** in 0171 General requirements.

Period: As offered by the manufacturer and installer.

BlueScope has an internet based Warranty Estimator and Management System that allows access to warranty advice for BlueScope building products and sample warranties at www.warranties.bluescopesteel.com.au/site/.

4 SELECTIONS

Schedules are a tool to specify properties required for products or systems. If the principal permits documentation of the product or system by proprietary name, some of the properties may be unnecessary and can be deleted. Document the product

or system's location or application here and/or on the drawings with a matching project code. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

4.1 PERFORMANCE

Cladding performance schedule

	A	B	C
Solar absorptance			
Light Reflectance Value (LRV)			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Solar absorptance: Select from manufacturer's range. Light (< 0.40), medium (0.40 to 0.60), dark (> 0.60). See BCA (2022) J3D8 for external walls to a Class 2 building or a Class 4 part of a building.

Light Reflectance Value (LRV): If required, nominate the light reflectance value. Some local authorities limit the light reflectance value for building exteriors. Refer to the relevant local authority for any requirements.

4.2 PRODUCT

METROLL profiled sheet metal cladding schedule

	A	B	C
Profile			
Material			
Base metal thickness (BMT) (mm)			
Colour			
Trim			
Flashings and cappings			
Fasteners			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Profile: Select from the following METROLL cladding profiles:

- METROLL Corodek: Available nationwide.
- METROLL Metlok 700: Available nationwide (available in NT by request).
- METROLL Metrib: Available nationwide.
- METROLL Metrospan: Available nationwide.
- METROLL Trimclad: Available nationwide.

Material: Select from the following with reference to the location exposure severity category:

- METROLL Corodek: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel, ZINCALUME® steel G550, ZINCALUME® steel G300 or galvanized steel.
- METROLL Metlok 700: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel, ZINCALUME® steel G550 or ZINCALUME® steel G300.
- METROLL Metrib: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel, ZINCALUME® steel G550 or ZINCALUME® steel G300.
- METROLL Metrospan: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel, ZINCALUME® steel G550, ZINCALUME® steel G300 or galvanized steel.
- METROLL Trimclad: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel, ZINCALUME® steel G550, ZINCALUME® steel G300 or galvanized steel.

Base metal thickness (BMT) (mm): Select from the following:

- METROLL Corodek: 0.42 or 0.48.
- METROLL Metlok 700: 0.42 or 0.48.
- METROLL Metrib: 0.42 or 0.48.
- METROLL Metrospan: 0.42 or 0.48.
- METROLL Trimclad: 0.42 or 0.48.

Colour: Consult the BlueScope COLORBOND® Colour Chart or nominate galvanized finish if available.

Trim: e.g. Custom flashings.

Flashings and cappings: e.g. Prefinished steel to match cladding colour. Coordinate with 0423p METROLL roofing - profiled sheet metal and/or 0424p METROLL roofing - seamed sheet metal. For custom profiles refer to your METROLL branch.

Fasteners: e.g. Concealed, pierced (crest or valley).

METROLL seamed sheet metal cladding schedule

	A	B	C
Product			
Material			
Base metal thickness (BMT) (mm)	0.55	0.55	0.55
Rib height (mm)			
Cover width (mm)			
Colour			
Trim			
Flashings and cappings			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: Select from the following METROLL cladding products:

- METROLL MAC Nail Strip: Available in WA, SA, QLD and NSW.
- METROLL MAC Snap Lock: Available in WA, SA, QLD and NSW.

Material: Select from the following with reference to the location exposure severity category:

- METROLL MAC Nail Strip: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel or ZINCALUME® steel G300. Copper, Aluminium and other materials may be available, check with your METROLL branch.
- METROLL MAC Snap Lock: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel or ZINCALUME® steel G300. Copper, SUPERDURA Stainless Steel and other materials may be available, check with your METROLL branch.

Base metal thickness (BMT) (mm): Available in BMT of 0.55 only.

Rib height (mm): Select from the following:

- METROLL MAC Nail Strip: 25 or 38.
- METROLL MAC Snap Lock: 25 or 38.

Cover width (mm): Select from the following:

- METROLL MAC Nail Strip: Range of standard widths available from 190 to 465, with other cover width available on request. Consult METROLL for widths available from your branch.
- METROLL MAC Snap Lock: Range of standard widths available from 187 to 328, with other cover width available on request. Consult METROLL for widths available from your branch.

Colour: Consult the BlueScope COLORBOND® Colour Chart.

Trim: e.g. Custom flashings.

Flashings and cappings: e.g. Prefinished steel to match cladding colour. Coordinate with 0423p METROLL roofing - profiled sheet metal and/or 0424p METROLL roofing - seamed sheet metal. For custom profiles refer to your METROLL branch.

METROLL interlocking sheet metal panel cladding schedule

	A	B	C
Product	MAC Interlocking Panel	MAC Interlocking Panel	MAC Interlocking Panel
Material			
Base metal thickness (BMT) (mm)	0.55	0.55	0.55
Cover width (mm)			
Expressed joint width (mm)			
Colour			
Trim			

	A	B	C
Flashings and cappings			
Fasteners			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: METROLL MAC Interlocking Panel: Available in WA, SA, QLD and NSW.

Material: Select from the following with reference to the location exposure severity category:

- METROLL MAC Interlocking Panel: COLORBOND® steel, COLORBOND® steel Metallic, COLORBOND® Ultra steel or ZINCALUME® steel G300. Copper, Aluminium and other materials may be available, check with your METROLL branch.

Base metal thickness (BMT) (mm): Available in BMT of 0.55 only.

Cover width (mm): Select from the following:

- METROLL MAC Interlocking Panel: Range of standard widths available from 200 to 300, with other cover widths up to 500 mm available on request. Consult METROLL for widths available from your branch.

Expressed joint width (mm): Custom joint widths available. Consult METROLL for widths available from your branch.

Colour: Consult the BlueScope COLORBOND® Colour Chart.

Trim: e.g. Custom flashings.

Flashings and cappings: e.g. Prefinished steel to match cladding colour. Coordinate with *0423p METROLL roofing - profiled sheet metal* and *0424p METROLL roofing - seamed sheet metal*. For custom profiles refer to your METROLL branch.

Fasteners: Nominate fasteners required, such as designer head screws.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1562		Design and installation of sheet roof and wall cladding
AS 1562.1	2018	Metal
AS/NZS 2269		Plywood - Structural
AS/NZS 2269.0	2012	Specifications
AS/NZS 2904	1995	Damp-proof courses and flashings
AS/NZS 4600	2018	Cold-formed steel structures
EN 15804	2012	Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products
ISO 14025	2006	Environmental labels and declarations - Type III environmental declarations - Principles and procedures
ISO 21930	2017	Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products and services

The following documents are mentioned only in the **Guidance text**:

AS/NZS 2312		Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings
AS 2312.1	2014	Paint coatings
AS 3959	2018	Construction of buildings in bushfire-prone areas
AS/NZS 4284	2008	Testing of building facades
AS 4312	2019	Atmospheric corrosivity zones in Australia
AS 5113	2016	Classification of external walls of buildings based on reaction-to-fire performance
SA HB 39	2015	Installation code for metal roof and wall cladding
BCA F3D5	2022	Health and amenity - Roof and wall cladding - Wall cladding
BCA F3P1	2022	Health and amenity - Roof and wall cladding - Weatherproofing
BCA H1D7	2022	Class 1 and 10 buildings - Structure - Roof and wall cladding
BCA J3D8	2022	Energy efficiency - Elemental provisions for a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls of a sole-occupancy unit of a Class 2 building or a Class 4 part of a building
BCA Section C	2022	Fire resistance
ABCB Fire performance	2020	Fire performance of external walls and cladding advisory note
BlueScope TB-01A	2023	Steel roofing products - Selection guide
BlueScope TB-01B	2022	Steel walling products - Selection guide
BlueScope TB-02	2022	Overpainting and restoration of exterior BlueScope coated steel products
BlueScope TB-16	2023	Fasteners for roofing, walling and accessory product - Selection guide
GBCA Buildings	2021	Green Star Buildings
NATSPEC DES 018		Bushfire protection
NATSPEC DES 031		Specifying R-Values
NATSPEC DES 044		Weatherproofing of external walls
NATSPEC GEN 006		Product specifying and substitution
NATSPEC GEN 024		Using NATSPEC selections schedules
NATSPEC TR 01		Specifying ESD