

## 0434P SGI ARCHITECTURAL CLADDING

### Branded worksection

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### Worksection abstract

This branded worksection *Template* is applicable to wall cladding systems distributed by **SGI ARCHITECTURAL**, including Alpolic or Eurobond metal composite panels, Prodema timber veneer composite panels and Moeding terracotta facades.

### Guidance text

All text within these boxes is provided as guidance for developing this worksection and should not form part of the final specification. This *Guidance* text may be hidden or deleted from the document using the NATSPEC Toolbar or the hidden text *Hide* and *Delete* functions of your word processing system. For additional information visit FAQs at [www.natspec.com.au](http://www.natspec.com.au).

### Optional style text

Text in this font (blue with a grey background) covers items specified less frequently. It is provided for incorporation into *Normal* style text where it is applicable to a project.

### 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. See for example:

- 0182 *Fire-stopping* for penetrations in composite panels.
- 0331 *Brick and block construction* for brick veneer.
- 0342 *Light steel framing* for subframing.
- 0382 *Light timber framing* for subframing.
- 0432 *Curtain walls* for embedded anchors.
- 0433 *Stone cladding*
- 0435 *Cladding – planks and weatherboards*.
- 0436 *Cladding – profiled and seamed sheet metal*.
- 0471 *Thermal insulation and pliable membranes* for wall insulation, thermal break strips and vapour permeable membranes.
- 0531 *Suspended ceilings – combined* for suspended soffits

### 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 Section C and ABCB Advisory Note 3 Consider adding a requirement in **SUBMISSIONS** for evidence of conformance from the contractor.
- For proprietary cladding systems, import information from suppliers.
- Document the structural support system to your office documentation policy.

If required, state the minimum added thermal resistance (R-Value) (m<sup>2</sup> K/W). See NATSPEC TECHnote DES 031 for information on specifying R-Values.

- Document bushfire protection requirements to conform to AS 3959 and the BCA. 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 builder 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.

### Specifying ESD

The following may be specified by retaining default text:

- Renewable materials with low embodied energy such as plywood cladding.

The following may be specified by including additional text:

- Metal cladding finished with low VOC or non-VOC finish.
- Alpolic/fr is an Ecospecifier green rated product.

- Alpolic facade systems and their affiliated materials are 100% recyclable.
- ProdEX is Program for the Endorsement of Forest Certification (PEFC) certified and uses timber from managed forests.
- Europanel can be recycled into virgin products with no appreciable loss of material.
- Moeding terracotta facades are fully recyclable.

Refer to the NATSPEC TECHreport TR 01 on specifying ESD.

## 1 GENERAL

Sgi Architectural is a key distributor of quality building facades to the Australian construction industry with a strong focus on the world's finest composite products. They supply the architectural market with eco-friendly aluminium facades, timber veneer panels, clay tiles, non-combustible rockwool cored sandwich panels and architectural glass.

### 1.1 RESPONSIBILITIES

#### General

Requirement: Provide external wall cladding panels or system distributed by SGI ARCHITECTURAL, and associated work, as documented.

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

### 1.2 COMPANY CONTACTS

#### SGI Architectural technical contacts

Website: [www.sgi-architectural.com.au](http://www.sgi-architectural.com.au)

### 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.

### 1.4 MANUFACTURER'S DOCUMENTS

#### Technical manuals

Alpolic: [www.sgi-architectural.com.au/products/alpolic/](http://www.sgi-architectural.com.au/products/alpolic/)

Eurobond: [www.sgi-architectural.com.au/products/eurobond/](http://www.sgi-architectural.com.au/products/eurobond/)

Prodema: [www.sgi-architectural.com.au/products/prodema/](http://www.sgi-architectural.com.au/products/prodema/)

Moeding: [www.moeding.de](http://www.moeding.de)

### 1.5 INTERPRETATION

#### Definitions

General: For the purposes of this worksection the following definitions apply:

- Composite panel: A panel comprising various parts, elements or compounds.
- Rain-screen: Attachment of an outer skin of cladding with a ventilated and drained cavity, keeping the structural frame dry.

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

### 1.6 TOLERANCES

#### Permitted deviations

Requirement: To the manufacturer's recommendations.

Eurobond:

- Structural steel member alignment, position and level:  $\pm 10$  mm.

## 1.7 SUBMISSIONS

### Fire hazard properties

General: Submit evidence of conformance to the fire hazard properties documented in **PRODUCTS**.

Fire hazard properties may be documented in **PRODUCTS** and/or **EXECUTION**.

### Operation and maintenance manuals

General: Submit manufacturer's published use, care and maintenance requirements.

### Prototypes

General: Erect 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]

Not less than 1800 mm long x 1200 mm high or Not less than 4.5 m long x 3 m high.

Location: [complete/delete]

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

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.

### Samples

Approved samples are retained on site and define the acceptable limits of colour and texture variation.

Finish: Submit samples of the cladding material showing the range of variation available.

Sample size: [complete/delete]

Sample sizes are generally 75 x 150 mm or A4 sized.

### Shop drawings

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

- -Alpolic: [complete/delete]
- Eurobond: [complete/delete]
- -Prodema: [complete/delete]
- -Moeding: [complete/delete]

Edit to suit the product selected, including:

- Dimensioned elevations of all elements.
- Details of construction, connections and all support systems.
- Dimensions of all typical elements and of any special sizes and shapes.
- Provision for the exclusion and/or drainage of moisture.
- Jointing details and method of fixing between individual elements and between this installation and adjacent work, including adjustment.
- Sealant types and full size sections of all sealant-filled joints and backing rods.
- Provision for thermal movement.
- Provision for movement under seismic and wind loads.
- Sequence of installation.
- Co-ordination requirements with other work.
- Schedule of materials, finishes, componentry, hardware and fittings.

### Subcontractors

General: Submit names and contact details of proposed installers.

Contact SGI Architectural for project specific recommended installers. SGI Architectural recommend a minimum of 3 years experience installing the documented panel system.

Evidence of experience: [complete/delete]

### Warranties

Requirement: Submit the following:

- [complete/delete]

Describe the requirements of warranties in **PRODUCTS** or **EXECUTION**, as appropriate, and list the submissions required here. e.g. Interlocking warranty for sealant type and application.

Cladding materials: Submit the manufacturer's published product warranties.

## 1.8 INSPECTION

### Notice

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

- Workshop assemblies before delivery to the site.
- Framing, sarking, vapour barrier and insulation before covering up or concealing.
- Completion of a prototype.

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

**Hold points**, if required, should be inserted here.

Coordinate with requirements for prototypes or delete.

## 2 PRODUCTS

### 2.1 GENERAL

#### Product substitution

Other products: Conform to **PRODUCTS, GENERAL, Substitutions** in *0171 General requirements*.

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

#### 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 dry and unexposed to weather.
- Do not drag sheets or panels across each other or over other materials.
- Use gloves when handling precoated metal cladding material.
- Alpolic and Eurobond: Store unpacked panels by size in racks and protect from scratching, warping or bending.
- ProdEX: Store pallets on a dry, flat and level surface. Do not stack upright or angled.
- Alpolic/fr ZCM: Hold panel in the middle and both ends to avoid warping.

#### Marking

Identification: 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.

#### Components

Requirement: Conform to the **Cladding support schedule** and the **Component schedule**.

If using anchors or attachments cast in the concrete structure, refer to information on embedded anchors in *0432 Curtain walls* and document requirements in the selected concrete worksections.

Fasteners and ties: Type, size, corrosion resistance class and spacing to the cladding manufacturer's recommendations.

Flashings: To AS/NZS 2904.

Coordinate with 0421 Roofing – combined.

## 2.2 ALPOLIC METAL COMPOSITE PANELS

### Alolic/fr

ALPOLIC/fr is composed of a mineral filled core with a small amount of low-density polyethylene sandwiched between two adhesive layers and two skins of 0.5 mm thick aluminium finished with a fluoropolymer coating. The core contains 80% non-combustible material. Panels are mechanically fixed to an external building substructure documented by a structural or facade engineer.

Description: Aluminium composite material composed of a high mineral filled core and two skins of 0.5 mm thick aluminium, manufactured by Mitsubishi Chemical Corporation and distributed by SGI Architectural.

Selection: To the **Alpolic cladding schedule**.

Certification: CodeMark Certificate No.CMA-CM40067 (Rev3).

An Alpolic panel system assembly has been assessed for use externally on masonry or concrete buildings as a decorative and protective facade, and is CodeMark certified to conform to the fire performance recommendations of the Building Code of Australia Part A2.2 for use as an external cladding material for building type A, B and C construction. See CodeMark Certificate for conditions and limitations using the applicable [certification body](#), or contact ABCB with your enquiry. See [www.abcb.gov.au](http://www.abcb.gov.au) to check if the Certificate of Conformity is valid.

Fire hazard properties: Tested to AS/NZS 1530.3.

### Alpolic/fr ZCM

ALPOLIC/fr ZCM is composed of the same mineral filled core as ALPOLIC/fr. Panels are mechanically fixed to an external building substructure documented by a structural or facade engineer.

Description: Zinc composite material composed of a chemically-weathered zinc sheet on the topside, a mineral filled core and a zinc or aluminium sheet on the backside, manufactured by Mitsubishi Chemical Corporation and distributed by SGI Architectural.

Selection: To the **Alpolic cladding schedule**.

Thickness: 4 mm.

Width: 914 mm.

Finish: Pre-weathered mill finish.

The topside zinc alloy is initially weathered with a chemical conversion process, which later develops to a distinctive grey appearance through natural weathering.

Colour: Silver light grey.

Fire hazard properties: Tested to AS/NZS 1530.3.

## 2.3 EUROBOND COMPOSITE PANEL SYSTEMS

Eurobond pre-engineered panel systems use a high density stone wool core and panel joint design for thermal and air tightness performance.

### General

Fasteners: Stainless steel.

### Europanel

Europanel has five standard configurations designed with concealed fasteners. Each system has been developed as a total wall solution through the integration of glazing and other components. Europanel has a 5 mm gap between panels. Europanel G (Gasket) series uses an ethylene propylene diene terpolymer (EPDM) gasket between panels for a grid aesthetic.

Description: Interlocking rock wool core insulated panel system, distributed by SGI Architectural.

Selection: To the **Eurobond cladding schedule**.

Fire hazard properties:

- Eurobond 150 mm wall assembly tested to AS 1530.4: -/120/120.
- Tested to AS 1530.1: Non-combustible.

### Rockspan

Rockspan system is available in low and high density core panels to suit various fire and acoustic performance requirements. See EWFA Report 26830 for details of the fire resistance performance of Rockspan vertical wall panel assemblies, assessed in conformance with AS 1530.4 and EWFA Report 281291 for details of the rock wool core tested to AS 1530.1.

Description: Interlocking non-combustible rockwool core insulated panel system, distributed by SGI Architectural

Selection: To the **Eurobond cladding schedule**.

Fire hazard properties tested to AS 1530.1: Non-combustible.

### Rainspan

Rainspan is a structural support system for use with various facade panels, providing a weathertight building.

Description: Structural support for rain-screen systems, distributed by SGI Architectural.

Selection: To the **Eurobond cladding schedule**.

## 2.4 PRODEMA TIMBER COMPOSITE PANELS

### ProdEX panels

ProdEX is used as a decorative and protective cladding for ventilated facades, made up of timber veneered panels and corresponding substructure. Each panel consists of a high density phenolic resin (bakelite) core, clad in a veneer of timber finished with synthetic resin and an exterior polyvinylidene fluoride (PVDF) film. ProdEX can be fixed to a timber or metal subframe.

Description: Composite panel comprising a cellulosic fibre core faced with timber veneer impregnated with thermosetting resin, distributed by SGI Architectural.

Selection: To the **ProdEX cladding schedule**.

Fire hazard properties: Tested to AS/NZS 1530.3.

## 2.5 MOEDING TERRACOTTA FACADE SYSTEMS

Moeding fabricates its curtain wall, back-ventilated and heat insulated tile facade segments in Germany. It has been tested and certified for use in Germany, France and the UK.

### Alphaton

Alphaton terracotta facade system is made of four components: tiles, tile holders, horizontal support profiles and joint profiles located in the vertical joints to prevent rattling in the wind, driving rain from penetrating and panels moving sideways. The extruded terracotta tiles are double-walled and fastened by concealed aluminium tile holders that click onto support profiles. Horizontal support profiles are fastened to conventional vertical profiles mechanically fixed to the support structure.

Description: A facade cladding system composed of 30 mm double wall terracotta tiles fitted with concealed aluminium tile holders, horizontal support profiles and aluminium joint profiles, distributed by SGI Architectural.

Selection: To the **Moeding cladding schedule**.

### Longoton

Longoton terracotta facade system components include tile, aluminium tile holder and aluminium joint profile profiles located in the vertical joints to prevent rattling in the wind, driving rain from penetrating and panels moving sideways. The extruded terracotta tiles are double walled and fastened to vertical profiles mechanically fixed to the support structure.

Description: A facade cladding system composed of 40 mm double wall terracotta tiles fitted with concealed aluminium tile holders, horizontal support profiles and aluminium joint, distributed by SGI Architectural.

Selection: To the **Moeding cladding schedule**.

### Baguettes

Baguettes are special shapes and tile surfaces with a three-dimensional structure for use as shading and design elements such as windows, ventilation outlets, passageways, stairways balcony areas. These special elements, shading elements and design elements match the Moeding facade tiles in terms of materiality, feel and natural colour.

Description: Special shapes and terracotta tile surfaces, distributed by SGI Architectural.

Selection: To the **Moeding cladding schedule**.

## 3 EXECUTION

### 3.1 CONSTRUCTION GENERALLY

#### Substrates or framing

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

### 3.2 INSTALLATION

#### General

Fabrication: Factory fabricate panels and elements wherever possible.

Requirement: Install composite panels as follows:

- Plumb, level, straight and true within acceptable building 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.

Expansion and contraction of the components needs to be provided for. Temperature change due to climatic conditions must not cause harmful buckling, opening of joints, undue stress on fastening and anchors, noise of any kind or other defects.

Horizontal cladding surface:

- Minimum slope: 1:15.
- Staining: Slope away from visible vertical facade areas to prevent staining.

Document control joints, flashings at windows and abutments, and penetrations to the manufacturer's recommendations on the drawings.

Protection: Protect surfaces and finishes, including the retention of protective coatings during installation.

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

Damaged parts: Remove and replace damaged members during installation.

Fasteners type, size, corrosion resistance and spacing: To the cladding manufacturer's recommendations.

#### Accessories and trim

Requirement: Provide accessories and trim necessary to complete the installation, or as documented.

#### Metal separation

Design for compatibility or detail separation.

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 fixings: Do not use.

#### Joints

Requirement: Rigidly secure joints other than movement and open joints. Reinforce as required and fix with hairline abutments or as documented.

Structural movement joints:

- Location: Coincident with structural movement joints, as documented.
- Joint width: To match structural movement joint requirements.

### 3.3 ALPOLIC METAL COMPOSITE PANEL CLADDING

#### General

Requirement: Install proprietary products and systems to the manufacturer's recommendations.

Document control joints, flashings at windows and abutments, and penetrations to the manufacturer's recommendations on the drawings.

### 3.4 EUROBOND COMPOSITE PANEL SYSTEMS

#### General

Requirement: Install proprietary products and systems to the manufacturer's recommendations.

Document control joints, flashings at windows and abutments, and penetrations to the manufacturer's recommendations on the drawings.

### 3.5 PRODEMA TIMBER COMPOSITE PANEL SYSTEMS

#### General

Requirement: Install proprietary products and systems to the manufacturer's recommendations. Mix panels to evenly distribute colour variations between batches over the facade.

Document control joints, flashings at windows and abutments, and penetrations to the manufacturer's recommendations on the drawings.

### 3.6 MOEDING TERRACOTTA FACADE SYSTEMS

#### General

Requirement: Install proprietary products and systems to the manufacturer's recommendations.

Document control joints, flashings at windows and abutments, and penetrations to the manufacturer's recommendations on the drawings. Refer to Alphonat and Longoton Detail Books.

### 3.7 COMPLETION

#### Cleaning

Protection: Remove protective coatings 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 plasticizers.

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

#### Warranties

Requirement: Cover materials and workmanship in the form of interlocking warranties from the manufacturer and installer.

- Form: Against failure of materials and execution under normal environment and use conditions.
- Period: As offered by the supplier.

Use only where warranties extending beyond the defects liability period are available for the particular system. Insert the required warranty period and terms, which should be negotiated beforehand. If the warranty is in the form of separate material and installation warranties, require the signatures of both manufacturer and installer.

The form(s) required should be provided as part of the contract documentation.

The manufacturer's warranty for Alpolic is up to 20 years. Moeding's warranty period of 2 years for material defects can be extended to 10 years for unserviceable facade panels. Eurobond's warranty is up to 25 years. See manufacturer for more details on warranties available.

## 4 SELECTIONS

**Schedules** are a way of documenting a selection of proprietary or generic products or systems by their properties. Indicate their locations here and/or on the drawings. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

### 4.1 PRODUCT

#### Alpolic cladding schedule

Property	A	B	C
Product			
Grade			
Thickness (mm)			
Width (mm)			
Length (mm)			
Finish			
Gloss level			
Colour			
Installation method			



A, B, C: These designate each instance or type or location of the item scheduled.

Edit codes in the **Schedule** to match those on drawings.

Product:

- Alpolic/fr.
- ALPOLIC/fr ZCM.

Grade: For Alpolic/fr ZCM select from:

- ZCM Z-Z (2 pieces of 0.4 mm thick zinc alloy).
- ZCM Z-A (topside zinc and 0.5 mm aluminium alloy backside).

Thickness: For Alpolic/fr select 4 mm or 6 mm.

Width: Refer to drawings or nominate 965 mm, 1270 mm or 1575 mm standard for Alpolic/fr.

Length: Refer to drawings or nominate:

- Alpolic/fr: Between 1800 and 7200 mm.
- Alpolic/fr ZCM.: 3099mm or 3708mm.

Finish: Lumiflon finish factory applied to continuous aluminium coils. Alpolic uses a 3 coat system, consisting of primer, topcoat and clear coat with a minimum thickness of 35 microns for water front environment. Lumiflon-based fluorocarbon standard coating is conditionally warranted for 20 years. The other coating available as an option includes Polyvinylidene fluoride (PVDF) based coating.

Gloss level: 15%, 30%, 50% or 80%.

Colour: Select from Colour chart or Matte series colour chart on the SGI Architectural website. Colours include Solid (Enamel), Metallic, Sparkling and Prismatic colours. 2 to 3 colour coating is also available in which 2 separate colours are coated on one panel.

Installation method:

- Wet sealant joint.
- Hanging method.
- Dry gasket joint.
- Narrow open joint.

#### Eurobond cladding schedule

Property	A	B	C
Product			
Thickness (mm)			
Width (mm)			
Length (mm)			
Profile finish			
Substructure material			
Facade system			
Coating			
Colour			

A, B, C: These designate each instance or type or location of the item scheduled.

Edit codes in the **Schedule** to match those on drawings.

Product:

- Europanel F5.
- Europanel F5 Extra.
- Europanel S5.
- Europanel S5 Extra.
- Europanel G12.
- Europanel G30.
- Europanel G50.
- Rainspan
- Rockspan Lite.

- Rockspan Extra.
- Rokspan Ultima.

Thickness:

- Europanel: 75 mm, 100 mm, 125 mm, 150 mm, 175 mm, 200 mm, 240 mm.
- Rainspan: 50 mm, 75 mm, 100 mm, 125 mm, 150 mm, 175 mm, 200 mm, 240 mm.
- Rockspan Lite: 75 mm, 100 mm, 125 mm, 150 mm, 175 mm, 200 mm, 240 mm.
- Rockspan Extra: 50 mm, 75 mm, 100 mm, 125 mm, 150 mm, 175 mm, 200 mm, 240 mm.
- Rockspan Ultima: 150 mm, 200 mm.

Width: Refer to drawings or nominate:

- Europanel S5/F5: 600 mm, 900 mm, 1000 mm or 1100 mm.
- Europanel G12/G30/G50: 600 mm to 1100 mm (in 1 mm increments).
- Rainspan and Rockspan: 1000 mm or 1100 mm.

Length: Refer to drawings or nominate 300 mm to 1800 mm. (Panels below 1800 mm down to 300 mm are cut off line).

Profile finish:

- Flat (non-ribbed).
- Satin line (micro ribbed).
- V-groove.
- V-groove widths available for the Europanel F5 system: 400 mm, 300 mm, 200 mm, 150 mm or Panels equally divided into 2.

Substructure material: Galvanized steel, Anodized aluminium or Stainless steel appropriate to the project's location.

Rainspan facade system options: Terracotta, Timber, Stratified timber, Metal cassette, Brick tile, Ceramic, Rockpanel, Stone, Render, Polycarbonate.

Coating: e.g. [Colorcoat HPS200 Ultra](#), [Colorcoat Prisma](#) or Colourcoat High Reflect.

Colour: Refer to Colorcoat Prisma or HPS200 Ultra standard range. e.g. White, Goosewing grey, Alaska grey, Anthracite, Black.

#### ProdEX cladding schedule

Property	A	B	C
Thickness (mm)			
Width (mm)			
Length (mm)			
Grade			
Joint			
Substructure material			
Finish			
Colour			

A, B, C: These designate each instance or type or location of the item scheduled.

Edit codes in the **Schedule** to match those on drawings.

Thickness: 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm, 18 mm, 20 mm or 22 mm. If substructure is curved, select thickness based on the radius of curvature according to the manufacturer's recommendations.

Width: Refer to drawings or nominate 1220 mm standard panel width.

Length: Refer to drawings or nominate 2440 mm standard length.

Grade: ProdEX standard or Prodex IGN fire retardant.

Joint: Expansion or Exposed.

Substructure material: Galvanized steel, Anodized aluminium or Stainless steel appropriate to the project's location.

Finish: Ayous veneer or Okume veneer.

Colour:

- Ayous veneer: Dark brown, Light brown, Pale, Cream, Mocca or Mint.
- Okume Veneer: Deep brown, Rustik or Ice grey.

**Moeding cladding schedule**

Property	A	B	C
System			
Tile/panel height (mm)			
Tile/panel length (mm)			
Surface structure			
Colour			
Horizontal support profile			
Joint width (mm)			
Thermal insulation			
Baguette width (mm)			
Baguette length (mm)			
Baguette cross section			

A, B, C: These designate each instance or type or location of the item scheduled.

Edit codes in the **Schedule** to match those on drawings.

System: Select from:

- Alphaton Gen. 06.
- Alphaton Gen. 06 – rapid.
- Alphaton L<sup>2</sup>
- Alphaton L<sup>2</sup> – rapid.
- Longoton
- Longoton rapid,

Alphaton tile height: Refer to drawings or nominate 150 mm, 162.5 mm, 175 mm, 187.5 mm, 200 mm, 212.5 mm, 225 mm, 237.5 mm, 250 mm, 275 mm, 300 mm or 400 mm.

Longoton panel height: Refer to drawings or nominate 150 mm, 200 mm, 250 mm, 300 mm, 350 mm, 400 mm, 450 m, 500 mm, 550 mm, 600 mm, 650 mm, 700 mm, 750 mm or 800 mm.

Alphaton tile length: Refer to drawings or nominate 1500 mm or less.

Longoton panel length: Refer to drawings or nominate from 150 mm to 3000 mm in gradations of 1 mm lengths.

Surface structure: Select from: Standard, Ground, Sanded, Brushed, Fired, Glazed, Grooved, Deep grooved, Lamella or Waved. Special surface textures can be designed on request. Custom profiles and surfaces available will be based on manufacturing capabilities at the time.

Alphaton colour: Natural red, Oxide red, Dark red, Brown, Sand, Beige, Salmon, Pastel red, Pearl grey, Iron grey, Quartz grey, Vulcano grey, Ivory, Light grey, Blue grey, Turquoise, Saffron or Orange.

Longoton colour: Brick red, Ruby red, Carmine red, Chestnut brown, Champagne, Amber, Rose, Bright red, Cream, Terracotta beige, Terracotta yellow, Titanium grey, Graphite grey, Vulcano grey, Light blue, Grey green.

Glazed options include: White glazed, Grey glazed, Black glazed, Green glazed, Blue glazed, Yellow glazed, Orange glazed, Red glazed or Brown glazed.

Horizontal support profile: Select from Alphaton Gen 06-75 (open support profile) or Alphaton Gen 06-150 (closed support profile)

Joint width: Joint profiles are available for joint widths of 8 mm or alternatively 4 mm for the horizontal facade and 12 mm for the vertical facade.

Thermal insulation: Required or not required. Document in the 0471 *Thermal insulation and pliable membranes* worksection.

Baguette width: Refer to drawings or nominate standard widths: 50 mm x 50 mm, 60 mm x 60 mm or 50 mm x 100 mm.

Baguette length: Refer to drawings or nominate standard lengths up to 1500 mm.

Cross section: Square, Oblong, Triangular or Oval.

**Cladding support schedule**

Property	A	B	C
Product			
Material			
Vertical members			

Property	A	B	C
Horizontal members			
Spacing: Vertical members			
Spacing: Horizontal members			
Trims			
Control joints			
Flashings and cappings			
Fasteners			

A, B, C: These designate each instance or type or location of the item scheduled.

Edit codes in the **Schedule** to match those on drawings.

Product: Nominate proprietary items or describe the cladding support system and document the subframe to your office documentation policy. Fabricated panels are usually secret fixed to the structural support or the subframe. Cross reference 0342 *Light steel framing* for the subframe or import the relevant clauses, if required.

Material: e.g. Galvanized steel, Anodized aluminium or Stainless steel appropriate to the project's location.

#### Component schedule

Property	A	B	C
Trims			
Control joints			
Flashings and cappings			
Fasteners			

A, B, C: These designate each instance or type or location of the item scheduled.

Edit codes in the **Schedule** to match those on drawings.

Trims: e.g. Proprietary accessories for sills, reveals or corner returns.

Flashings and cappings: e.g. Prefinished sheet metal to match cladding colour. Coordinate with 0421 *Roofing – combined*.

Fasteners: e.g. Concealed or Pierced: Crest or Valley.

#### REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1530		Methods for fire tests on building materials, components and structures
AS 1530.1	1994	Combustibility test for materials
AS/NZS 1530.3	1999	Simultaneous determination of ignitability, flame propagation, heat release and smoke release
AS 1530.4	2014	Fire-resistance test of elements of construction
AS/NZS 2904	1995	Damp-proof courses and flashings

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

AS 3959	2009	Construction of buildings in bushfire prone areas
ABCB Advisory Note 3	2016	Fire performance of external walls and cladding
BCA Section C	2016	Fire Resistance
EWFA Report 26830	2011	Assessment report for Eurobond Rockspan
EWFA Report 281291	2014	Assessment report for Eurobond Rockwool
NATSPEC DES 018	2008	Bushfire protection
NATSPEC DES 031	2014	Specifying R-Values
NATSPEC GEN 006	2007	Product specifying and substitution
NATSPEC GEN 024	2015	Using NATSPEC selections schedules
NATSPEC TR 01	2016	Specifying ESD