

0428P KINGSPAN INSULATED PANELS ROOFING SYSTEMS

Branded worksection

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Worksection abstract

This branded worksection *Template* is applicable to the provision of roof coverings using KINGSPAN INSULATED PANELS roofing systems, and roof plumbing. It also covers skylights, roof hatches, roof windows and roof ventilators supplied by others.

How to use this worksection

Customise this worksection *Template* for each project. See [A guide to NATSPEC worksections \(www.natspec.com.au\)](#) 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:

- 0193 *Building access safety systems*.
- 0343 *Tensioned membrane structures* for suspended fabric roofing.
- 0411 *Waterproofing - external and tanking* for membrane roofs.
- 0461 *Glazing* for glass roofing and skylights.
- 0552 *Metalwork - fabricated* for ladders, platforms and balustrades.
- 0802 *Hydraulic design and install* for stormwater and rainwater storage systems.
- 0933 *Power generation - photovoltaic* for integrated rooftop solar PV panels. Contact Kingspan to make sure the roofing system is suitable for PV integration.

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

- 0423 *Roofing - profiled sheet metal*.
- 0424 *Roofing - seamed sheet metal*.
- 0425 *Roofing - shingles and shakes*.
- 0426 *Roofing - slate*.
- 0427 *Roofing - tiles*.
- 0429 *Roofing - glazed*.

Related branded worksections include:

- 0437p *KINGSPAN INSULATED PANELS cladding systems*.
- 0471p *KINGSPAN in thermal insulation and pliable membranes*.
- 0762p *KINGSPAN INSULATED PANELS in cool rooms*.

Material not provided by KINGSPAN INSULATED PANELS

This branded worksection *Template* includes generic material which may not be provided by the Product Partner including:

- Some roof plumbing products.
- Roof hatches.
- Roof windows.
- Roof ventilators.

Documenting this and related work

You may document this and related work as follows:

- Locate the extent of roofing types, accessories, and finishes on drawings to your office documentation policy.
- Show rooftop walkways, ladders and access systems on the drawings. Document in 0193 *Building access safety systems* if part of a complete building access installation to AS 1657 (2018).
- Show on the drawings the arrangement of the rainwater plumbing system, including the type and size of the main components (e.g. gutters, downpipes, sumps, rainheads) and the size and spacing of supports and fasteners. In high wind areas, consider the degree of exposure of gutters and downpipes and the need to provide additional fastenings.

- If documenting stormwater disposal, internal downpipes, rainwater tank and related products, use *0802 Hydraulic design and install*.
- If documenting electric fan powered roof ventilators, document the necessary electrical connection in *0902 Electrical design and install*.
- If required, state the minimum thermal resistance (R-Value) ($\text{m}^2\cdot\text{K}/\text{W}$). See NATSPEC TECHnote DES 031 for information on specifying R-Values.
- If required, state the minimum thermal transmittance (U-Value) ($\text{W}/(\text{m}^2\cdot\text{K})$). See NATSPEC TECHnote DES 031 for information on specifying thermal transmittance.
- Check lead time for imported selections and consider adding a requirement, in **SUBMISSIONS**, for the contractor to verify availability.
- 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.
- For guidelines on the design of roofs in snow areas, see AS/NZS 1170.3 (2003) and HB 106 (1998).
- For information on air, moisture and condensation, see NATSPEC TECHnote DES 004.
- This worksection includes reference to BCA (2025) Section J. NCC (2025) notes that for Class 2 buildings, BCA (2025) Section J is replaced by the equivalent section in NCC (2022). If your project is required to be to another edition of the NCC, review all NCC citations in this worksection and edit accordingly.

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

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

- Birds and buildings.
- Green roofs.
- Guarantees and warranties.
- Site planning and design for bushfire.
- Waterproofing.

Specifying ESD

Green Star: Kingspan insulated panels may contribute to the overall Green Star rating for a building in categories such as Energy, Material, and Emissions.

Life Cycle Assessment: Kingspan products are environmentally assessed for impact on the environment, and environment product declarations are available on request. Kingspan is a manufacturer that has:

- Regular global reporting on sustainability performance.
- Low environmental impact for all products.
- Environmental product declarations (EPD) for all products.

The following may be specified by retaining default text:

- Roof windows.

The following may be specified by including additional text:

- Rainwater tanks. See NATSPEC TECHnote DES 011 on rainwater harvesting.

Refer to NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

KINGSPAN INSULATED PANELS is the world's largest and leading manufacturer of high-performance insulated panel building envelopes. Its wide range of products manufactured in their Australian facilities include insulated wall and roof panels, high performance standing seam systems and façade solutions. KINGSPAN INSULATED PANELS is widely recognised in the industry for the high quality and performance of its products as well as its commitment to excellent customer service and technical support.

1.1 RESPONSIBILITIES

General

Requirement: Provide KINGSPAN INSULATED PANELS roofing systems and associated work, as documented.

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

Ambient climatic conditions

Design rainfall intensity (mm/h) to AS/NZS 3500.3 (2025): [complete/delete]

See AS/NZS 3500.3 (2025) Appendix D for selected place references or the Hydrometeorological Advisory Services of the Bureau of Meteorology (HAS) at www.bom.gov.au for rainfall data.

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).

Roof access

Requirement: To *0193 Building access safety systems*.

Document in *0193 Building access safety systems* if part of a building access installation to AS 1657 (2018).

When installed to Kingspan's recommendations and the span is within the safe spanning capability of the panel, Kingspan panels are suitable for short term maintenance access loading of up to 1.1 kN concentrated load or 0.25 kPa distributed load to AS/NZS 1170.1 (2002).

1.2 COMPANY CONTACTS**KINGSPAN INSULATED PANELS technical contacts**

Website: www.kingspan.com/au/en/contact-us/

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.

- *0193 Building access safety systems*.

1.4 MANUFACTURER'S DOCUMENTS**Technical manuals**

Technical manuals for the KS1000RW Trapezoidal Roof Panel:

www.kingspan.com/au/en/products/insulated-panels/roof-panels/ks1000rw-trapezoidal-roof-panel/

Technical manuals for the KS1100/1200RL Roofliner Panel:

www.kingspan.com/au/en/products/insulated-panels/roof-panels/ks1100-1200rl-roofliner-panel/

Technical manuals for the Membrane Lined Insulated Gutter:

www.kingspan.com/au/en/products/insulated-panels/roof-gutters/membrane-lined-insulated-gutter/

1.5 INTERPRETATION**Abbreviations**

General: For the purposes of this worksection, the following abbreviations apply:

- PIR: Polyisocyanurate.
- RL: KS1100/KS1200RL Roofliner Panel.
- RW: KS1000RW Trapezoidal Roof Panel.

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

1.6 TOLERANCES

Permitted deviations

Requirement: To KINGSPAN INSULATED PANELS recommendations.

Structural steelwork for KINGSPAN INSULATED PANELS roofing system: ± 5 mm between bearing planes of adjacent supports.

Supporting members: To AS 1562.1 (2018) clause 4.2.3.

1.7 SUBMISSIONS

Fire performance

Fire hazard properties: Submit evidence of conformity to **FIRE PERFORMANCE, Fire hazard properties.**

Operation and maintenance manuals

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

Products and materials

Thermal insulation performance: Submit evidence of performance to AS/NZS 4859.1 (2018) and AS/NZS 4859.2 (2018).

This is primarily to verify claimed R-Values for NCC compliance.

Type tests: Submit test results for the following:

- Insulated panel systems: To PRODUCTS, **KINGSPAN INSULATED PANELS ROOFING SYSTEMS, 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.

Samples

Requirement: Submit samples to PRODUCTS, **GENERAL, Samples.**

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, birdproofing, flashing, ridge cappings, roof water disposal, thermal insulation, vapour barrier, control joint treatment, isolation of incompatible metals, access for maintenance, provision for traffic.

Subcontractors

General: Submit names and contact details of proposed KINGSPAN INSULATED PANELS recommended installer.

Evidence of experience: [complete/delete]

Delete if supplier/installer details are not required. Check the conditions of warranty for the panels selected and contact your local Kingspan sales representative for a list of trained and recommended installers or for information about its free comprehensive installation training program.

Warranties

Requirement: Submit warranties to **COMPLETION, Warranties.**

1.8 INSPECTION

Notice

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

- Roof supports.
- Glazing products before they are installed.
- The parts of the roofing and roof plumbing installation before covering up or concealing.

Edit to suit the project, adding critical stage inspections agreed in advance with Kingspan, as 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.

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:

- Trim and accessories with a colour finish.
- Panel metal finishes.
- Custom profiled flashings and cappings.
- Sealants.

Storage and handling

Storage: To the manufacturer's recommendations and as follows:

- Keep clean, dry and unexposed to weather.
- Protect materials including edges and surfaces from damage.
- Do not drag metal sheets or panels across each other or over other materials.
- Store off the ground, in sealed unopened packaging on a slightly sloped surface to prevent ponding on panel faces.

Storage area conditions: Allocate a safe and trade free area.

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.

2.2 FIRE PERFORMANCE

Fire hazard properties

See NATSPEC TECHnote DES 003 for more information on the fire hazard properties of insulation materials and NATSPEC TECHnote DES 020 on fire behaviour of building materials and assemblies. See also BCA (2025) Table S7C7.

Group number: To AS 5637.1 (2015).

Non-sprinklered buildings: Wall and ceiling linings must either have an *average specific extinction area* less than 250 m²/kg or a *smoke growth rate index* not more than 100 as determined by AS 5637.1 (2015).

Refer to NATSPEC TECHnote DES 020 for information on fire hazard properties.

Insulation materials: Tested to AS/NZS 1530.3 (1999). Fire hazard indices as follows:

Refer to AWTA's certificate of test report No. 22-003414 for the fire hazard properties of KS1200CS, with a nominal thickness of 200 mm tested to AS/NZS 1530.3 (1999), representative of the KS1100/1200RL panel:

- Ignitability index: 0.
- Spread-of-Flame Index: 0.
- Heat Evolved Index: 0.

- Smoke Developed Index: 1.

Refer to AWTA's certificate of test report No. 23-001348 for the fire hazard properties of KS1000RW, with a nominal thickness of 120 mm tested to AS/NZS 1530.3 (1999):

- Ignitability index: 0.
- Spread-of-Flame Index: 0.
- Heat Evolved Index: 0.
- Smoke Developed Index: 3.

- Spread-of-Flame Index: ≤ 9 .
- Smoke-Developed Index: ≤ 8 if Spread-of-Flame Index is more than 5.

2.3 KINGSPAN INSULATED PANELS ROOFING SYSTEMS

Standards

Internal and external skins: To AS 1562.1 (2018).

AS 1562.1 (2018) requires steel conform to AS 1397 (2021) for continuously hot dip metallic-coated sheet and strip or AS/NZS 2728 (2013) for prepainted and organic film/metal laminate products.

Polyisocyanurate (rigid cellular RC/PIR) core: To AS 1366.2 (1992).

Insulation blowing agents

Restricted agents: Conform to PRODUCTS AND MATERIALS, **GENERAL**, **Prohibited materials** in 0171 *General requirements*.

KS1000RW Trapezoidal Roof Panel

KS1000RW Trapezoidal Roof Panels are through fix, trapezoidal profiled, insulated roof panels which can be used for building applications with roof pitches of 3° or more after deflection. Specifications are available for roof slopes less than 3° on request from Technical Services.

Description: A through fixed system of prepainted, trapezoidal steel sheets with a PIR insulation core.

Sealant tape: 6 x 4 mm butyl rubber.

Neoprene foam tape: 4.8 x 60 mm wide neoprene, for high humidity applications.

RW profile filler: 1000 x 35 x 35 mm.

Neutral cure gun grade silicone sealant: As required.

Sealant not supplied by KINGSPAN INSULATED PANELS. Refer to KINGSPAN INSULATED PANELS's technical drawings for sealant locations.

Flashing: 0.5 mm minimum thickness, metallic-coated steel.

KINGSPAN INSULATED PANELS manufacture flashings to order to the specification of the external and internal sheet respectively.

Primary fasteners (Non Cyclonic): Self-tapping, self-drilling screws, manufactured from carbon steel, anti-corrosion coated, and fitted with a 19 or 25 mm diameter embossed stainless steel (or aluminium) washer.

Colour matched heads or caps can also be used.

KS1100/KS1200RL Roofliner Panel

KS1100/KS1200RL Roofliner Panel is an insulated roof panel, designed to be used as an insulated composite panel substrate installed under site applied, fully supported or self-supported aluminium, copper, zinc and stainless steel roof systems, and single-ply membranes. Suitable for buildings with low pitch roofs.

Minimum roof pitches subject to external weather systems selected. Consult the manufacturer for specific recommendations.

Description: A PIR insulated roof panel system.

Roof sheeting/membrane for use over KINGSPAN KS1100/KS1200RL Roofliner Panel:
[complete/delete]

This product requires installation of an additional fully sealed roof covering: either single-ply membrane or sheet metal. e.g. To 0423 Roofing - profiled sheet metal, To 0424 Roofing - seamed sheet metal or To 0411 Waterproofing - external and tanking. Document the roof sheeting/membrane to be used with KS1100/KS1200RL Roofliner panel system in the appropriate worksection or import relevant information.

Sealant tape: Nylon-backed butyl rubber:

- 6 x 4 mm.
- 75 x 1 mm.

- 150 x 1 mm.

Foam tape: 120 x 2 mm wide EPDM rubber tape.

Primary fasteners:

- Self-tapping, self-drilling screws, manufactured from carbon steel, anti-corrosion coated, and fitted with a 19 or 25 mm diameter embossed stainless steel (or aluminium) washer.

Colour matched heads or caps can also be used.

- Flush finish:

- Recessed flat head fasteners complete with bearing plate with ultra-low profile finish, covered with nylon-backed butyl sealant tape patch.
 - Type, size and drilling capacity: To the manufacturer's recommendations for type and thickness of supports, and thickness of panels.

Secondary fasteners: For fixing flashing to panels:

- Steel rivets, or self-tapping screws at 300 mm centres (maximum).

System accessories

Requirement: KINGSPAN INSULATED PANELS accessories colour matched to insulated panels, as documented.

Tests

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

Resistance to concentrated loads: To AS 1562.1 (2018) clause 5.4.

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.

2.4 ROOF PLUMBING

General

See SA HB 39 (2015) Section 5 for the manufacture and fitting of internal and external metal gutters, downpipes, sumps and rainheads, AS/NZS 3500.3 (2025) Section 3 for method of sizing gutters and downpipes, and AS/NZS 3500.3 (2025) clause 4.9 for support systems of roof drainage systems. Show particular requirements, if any, on the drawings.

See NATSPEC TECHnote DES 011 for more information on rainwater harvesting.

Description: Flashings, cappings, gutters, rainheads, outlets, external downpipes and accessories necessary to complete the roofing system.

Flashing and capping: Notched to match profile of roofing.

Matching fascia/arge capping: If the selected eaves gutter is a proprietary high front pattern forming part of a combined system of gutter, fascia and barge, provide matching proprietary fascias and barge cappings to roof verges and edges.

Delete if not required.

Standards

Roof drainage: To AS/NZS 3500.3 (2025).

Metal rainwater goods: To AS/NZS 2179.1 (2014).

Flashings and cappings: To AS/NZS 2904 (1995).

See SA HB 39 (2015) Section 8 for recommended practice for metal flashings and cappings.

Profiled fillers

Type: Purpose-made closed cell polyethylene foam profiled to match the roofing panel profile.

Location: Provide profiled fillers under flashings and to close off corrugation cavities from the inside and outside of the building, to the following:

- Ridges.
- Eaves.
- Steps in roof panelling.

Add locations as required.

Colour: Black.

KINGSPAN INSULATED PANELS Membrane Lined Insulated Gutter

Valley and parapet gutters: To the **KINGSPAN INSULATED PANELS Membrane Lined Insulated Gutter schedule**.

Lightweight, PIR Core membrane lined insulated gutters suitable for both boundary wall and valley gutter applications. Available in lengths up to 6 m.

Box gutters laid to falls: To the **KINGSPAN INSULATED PANELS Membrane Lined Insulated Gutter schedule**.

Membrane strip: 250 x 1.5 mm.

Foil tape: 100 mm wide.

Membrane outlet: To suit 100 or 150 mm downpipe.

Starter piece: Insulated and factory fitted.

Stop ends: Site fitted.

Outlets:

- Site fitted.
- Polyethylene with sealing membrane.
- Standard diameters: 100 or 150 mm.

External pipe dimensions.

Sumps: Site assembled and fitted.

KINGSPAN INSULATED PANELS insulated box gutters are laid to falls. External facing thickness: 0.6 mm. Finish/colour: 0.6 mm IKO Armourplan PVC membrane.

Fasteners

Requirement: To manufacturer's recommendations.

Sealants

Materials: Non-staining and to the manufacturer's recommendations.

2.5 ROOF HATCHES**General**

Description: A proprietary roof hatch system, including framing, fastenings, trim, seals, accessories and flashings.

Check if your roofing and associated access hatches are required to be fire-resisting or non-combustible. Refer to BCA (2025) Section C and the ABCB Fire performance of external walls and cladding advisory note (2020).

2.6 ROOF WINDOWS**General**

Standard: To AS 4285 (2019).

Description: A proprietary window system designed for non-vertical installation in roofs pitched greater than 15° and less than 90°, consisting of the following:

- Timber frame and sash, shop clear primed or prefinished.
- External anodised aluminium protective profiles.
- Sealed double glazing.
- Horizontally pivoted sash, 180° reversible, on patent friction hinges.
- Opening and locking by patent control bar.
- Ventilation flap.

2.7 ROOF VENTILATORS**General**

Document any particular requirements such as material, type (e.g. static, wind driven, electric fan powered) and size if not shown on the drawings. For roof-mounted heat exhaust vents, see AS 2427 (2004). For design of smoke/heat venting systems, see AS 2665 (2001).

Description: A proprietary roof ventilator system including framing, fastenings, trim, seals, accessories and flashings.

3 EXECUTION

3.1 GENERAL

Preparation

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

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

Roofing: Make sure the roofing is clean and free of dust and loose particles.

3.2 INSTALLATION

Protection

General: Keep the roofing and rainwater system free of debris and loose material during construction.

Metal separation

Make sure of compatibility or detail separation.

See AS 1562.1 (2018) 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) 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 one of the following methods:

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

3.3 KINGSPAN INSULATED PANELS ROOFING SYSTEM

Installation

Requirement: To KINGSPAN INSULATED PANELS recommendations using KINGSPAN INSULATED PANELS recommended installers for installation, including the following:

- Minimum falls: To the manufacturer's recommendations.
- Fasteners, laps, sealants and fillers: Install, as documented.

Contact KINGSPAN INSULATED PANELS Technical services for the number of fastenings required at each location as these are project specific and determined by the project specific wind loads.

To conform to local and cyclonic wind load requirements, and those of FM Approvals certification, it may be necessary to provide additional fasteners in areas of high local suction.

For fastener recommendations for cyclonic applications, contact KINGSPAN INSULATED PANELS Technical Services for advice and testing documentation. Recommended fasteners are available from recognized distributors, please contact technical team for further information.

Site cut panels:

- Provide accurate, true lines with no distortion.
- Cut with a suitable metal cutting circular type saw and treat exposed edges with a suitable edge protection lacquer.
- Cut openings to the minimum size necessary.
- Penetrations larger than 300 x 250 mm: Provide additional continuous structural support.

Refer to *Kingspan Method Statement* for information regarding cut panels.

It is not recommended that penetrations intersect the crown of a panel. For further advice, contact KINGSPAN INSULATED PANELS Technical Services.

Installation of roof sheeting/membrane over KINGSPAN KS1100/KS1200RL Roofliner Panel: [complete delete]

e.g. To 0423 Roofing - profiled sheet metal, to 0424 Roofing - seamed sheet metal or to 0411 Waterproofing - external and tanking. Document the roof sheeting/membrane to be used with the KS1100/KS1200RL Roofliner Panel system in the appropriate worksection or import relevant information.

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

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

Horizontal flashing and capping surfaces:

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

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

Damaged parts: Remove and replace damaged members during installation.

Joists

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

Panel to panel end joints: If roof lengths exceed maximum manufactured panel lengths, join panels using the manufacturer's recommended details.

Control joints: Locate to coincide with structural movement joints, as documented.

Subcontractors

General: Use panel manufacturer recommended installers.

Accessories and trim

Requirement: Provide accessories and trim necessary to complete the installation.

3.4 BUILDING ELEMENTS

Ridges and eaves

Sheet ends: Treat as follows:

- Project panel ends with a 75 mm cut back at the eaves.
- Close off ridges with purpose-made ridge fillers of closed cell polyethylene foam.

Refer to KINGSPAN INSULATED PANELS standard construction details.

Ridges and barge

Capping: Finish off along ridge and verge lines with purpose-made ridge capping or barge rolls.

Refer to KINGSPAN INSULATED PANELS standard construction details.

Laps, sealants and fillers

KS1000RW Trapezoidal Roof Panel:

- Side laps: Factory applied weather seal (FAWS).

Continuous weather seal applied under controlled factory conditions to ensure a more efficient seal between individual panels.

- KINGSPAN End Lap: Lap sheeting 150 mm or 200 mm and weather seal using three unbroken runs of site applied sealant tape.

A 150 mm end lap has been tested as an NCC performance solution and the 200 mm end lap is an NCC DTS solution.

- KINGSPAN Prime Roof End Lap: Lap sheeting 75 mm and weather seal using Prime Roof Solution.

A 75 mm end lap has been tested as an NCC performance solution.

KS1000RW Trapezoidal Roof Panel: High humidity applications:

- Side laps: Seal internal joint with an unbroken run of sealant tape.
- KINGSPAN End Lap: Lap sheeting 150 mm or 200 mm and weather seal using three unbroken runs of site applied sealant tape. Seal along purlins using two unbroken runs of sealant tape or neoprene foam tape.

A 150 mm end lap has been tested as an NCC performance solution and the 200 mm end lap is an NCC DTS solution.

- KINGSPAN Prime Roof End Lap: Lap sheeting 75 mm and weather seal using Prime Roof Solution. Seal along purlins using two unbroken runs of butyl sealant or a continuous run of neoprene foam tape.

A 75 mm end lap has been tested as an NCC performance solution.

Refer to KINGSPAN INSULATED PANELS standard construction details.

- Intermediate supports: Seal along purlins using two unbroken runs of sealant tape or neoprene foam tape.

KS1100/KS1200RL Roofliner Panel:

- Panel end joints: Seal using continuous adhesive 50 mm butyl mastic tape on the external face. Before panels are laid, apply EPDM 120 x 2 mm self-adhesive sealing tape to purlin/supporting steelwork.

Flashings (non cyclonic)

Fixing: Fix at maximum 450 mm centres.

Overlapping: Overlap 150 mm at joints.

Sealing: Seal laps with two unbroken runs of sealant tape. Air seal along the length with an unbroken run of sealant tape.

For cyclonic applications, contact KINGSPAN INSULATED PANELS Technical Services for fixing recommendations and testing documentation.

Profiled fillers

Sealing: Seal the top, bottom and sides of each profile filler with a single line of non-setting gun-grade sealant.

Fixing: Provide a tight fit, without gaps.

Fasteners

KS1000RW Trapezoidal Roof Panel:

- Standard applications: Locate fasteners through every crown of the profile.
- Additional fastenings: Locate in the valley of the panel.

To conform to local and cyclonic wind load requirements, and those of Factory Mutual, it may be necessary to provide additional fasteners in areas of high local suction.

- Side laps and flashings: Stitch at 450 mm centres (maximum) with carbon steel stitching screws complete with an EPDM seal.
- End laps: Tail stitch with 2 fasteners in each valley and one per crown.

The number of fasteners required depends on the project wind loads. Contact KINGSPAN INSULATED PANELS Technical services for the number of fastenings required at each location as these are project specific and determined by the project specific wind loads. Cover intermediate fasteners with a 90 mm welded membrane patch.

3.5 ROOF PLUMBING

Jointing sheet metal rainwater goods

See AS/NZS 3500.3 (2025) clause 2.7 for information on joint materials and products.

Butt joints: Make joints over a backing strip of the same material.

Soldered joints: Do not solder aluminium or aluminium/zinc-coated steel.

Sealing: Seal fasteners and mechanically fixed joints. Fill the holes of blind rivets with silicone sealant.

Jointing system: [complete/delete]

e.g. Blind rivet and seal as follows:

- Prepainted stainless steel: Stainless steel blind rivets with stainless steel mandrels.
- Prepainted or zinc-aluminium alloy coated steel: Aluminium blind rivets.

Flashings

Installation: Flash roof junctions, upstands, abutments and projections through the roof. Preform to required shapes if possible. Notch, scribe, flute or dress down as necessary to follow the profile of adjacent surfaces. Mitre angles and lap joints 150 mm in running lengths. Provide matching expansion joints for every two lengths of flashing, at a maximum of 12 m centres.

Upstands: Flash projections above or through the roof with two-part flashings, consisting of a base flashing and a cover flashing, with at least 100 mm vertical overlap. Provide for independent movement between the roof and the projection.

Large penetrations in low pitch roofs: Extend the flashing over the roofing to the ridge to prevent ponding behind the penetrating element.

This situation often occurs with mechanical plant. Consider documenting it on the drawings.

Wall abutments: If a roof abuts a wall, provide overflashing as follows:

- In masonry walls, planked cladding or concrete: Step in courses to the roof slope. Interleave with damp-proof course, if any.
- Raking in masonry: Build into the full width of the outer leaf. Turn up and across the cavity and fix to or build into the inner leaf at least 75 mm above the roofing line.
- Raking in concrete: Turn 25 mm into joints or grooves, wedge at 200 mm centres with compatible material and point up.

Fixing to pipes: Solder or seal with neutral cure silicone rubber and secure with either of the following:

- Clamping ring.
- Proprietary flexible clamping shoe with attached metal surround flashing.

Ridges and barge

Capping: Finish off along ridge and verge lines with purpose-made ridge capping or barge rolls.

Refer to manufacturer's standard construction details.

Sheet ends: Treat as follows:

- Project panel ends with a 75 mm cut back at the eaves.
- Close off ridges with purpose-made ridge fillers of closed cell polyethylene foam.

Refer to manufacturer's standard construction details.

Flashings (non-cyclonic)

Fixing: Fix at 450 mm centres.

Overlapping: Overlap top sheets.

For cyclonic and non-cyclonic applications, refer to manufacturer's for fixing recommendations and documentation.

Profiled fillers

Sealing: Seal the top, bottom and sides of each profile filler with a single line of non-setting gun-grade sealant.

Fixing: Provide a tight fit, without gaps.

Fasteners

Requirement: To manufacturer's recommendations.

KINGSPAN INSULATED PANELS Membrane Lined Insulated Gutter

Document the material, profile and size on the drawings or in a schedule.

Gutter and sump support: Provide framing and lining to support valley gutters, box gutters and sumps. Line the whole area under the gutters and sumps.

Support: [complete/delete]

e.g. Proprietary metallic-coated adjustable strap and channel system.

External and internal laps: 50 mm.

Fixing laps:

- One line of rivets at 75 mm maximum centres, 25 mm from the edge, using stainless steel rivets of 3.2 mm diameter x 8 mm long.
- Lay 100 mm wide silver foil tape centrally over joint.
- Heat seal the membrane over the joint using 1.5 x 250 mm PVC strip.

Box gutter: Prefabricate box gutters to the required section and shape:

- Form stop ends, downpipe nozzles, bends and returns.
- Dress downpipe nozzles into outlets.
- Hail guards: Install grating over the whole of the box gutter, over all box gutter sumps and over the edges of roofing sheeting entering box gutters.

- Overflows: Provide overflows to prevent back-flooding. Size to pass 100% of the design rainfall. Discharge overflows in visible locations and so water does not enter the building or cause damage to the building.
- Sumps: Minimum 150 mm deep and the full width of the box gutter.

This is a typical minimum size. Coordinate with hydraulic design.

Insulated box gutters (laid to falls): Provide Jonda brackets, installed at maximum 600 mm centres.

Refer to KINGSPAN INSULATED PANELS Insulated gutter details or contact KINGSPAN INSULATED PANELS Technical Services.

Gratings: Install removable gratings over rainheads and sumps.

Leaf screen location: All gutter outlets.

External downpipes

Document the material, profile and size on the drawings or in a schedule.

General: Prefabricate downpipes to the required section and shape. Connect heads to gutter outlets and, if applicable, connect feet to rainwater drains.

Access cover: Provide a removable watertight access cover at the foot of each downpipe stack.

- Size: Not less than the diameter of the downpipe.

Downpipe support: Provide supports and fastenings for downpipes.

Rainwater disposal

System: [complete/delete]

If not shown on the drawings, document method of disposal. Alternatives include connection to stormwater drains, discharge to rainwater tanks or discharge to soakage pits.

3.6 ROOF HATCHES

Installation

Fixing method: [complete/delete]

Specify and detail to the recommendations of the roof hatch manufacturer.

3.7 ROOF WINDOWS

Installation

Standard: To AS 4285 (2019).

Fixing method: [complete/delete]

Specify and detail to the recommendations of the roof window manufacturer.

3.8 ROOF VENTILATORS

Installation

Fixing method: [complete/delete]

AS 2428.1 (2004) covers the testing of smoke and heat release ventilators to determine resistance to leakage during rain.

Specify and detail to the recommendations of the roof ventilator manufacturer.

3.9 COMPLETION

Reinstatement

Extent: Repair or replace damage to the roofing and rainwater system. If the work cannot be repaired satisfactorily, replace the whole area affected.

Touch up: To KINGSPAN INSULATED PANELS recommendations.

Contact KINGSPAN INSULATED PANELS for any further recommendations.

Cleaning

Roofing and rainwater drainage system: Remove excess debris, metal swarf, solder, sealants and unused materials.

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

Protection: After completion, remove protective film using methods to the manufacturer's recommendations.

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.

Fasteners: Make sure weathertight and external panel facings are not distorted.

KINGSPAN INSULATED PANELS panels: Clean surfaces to the manufacturer's recommendations.

Refer to KINGSPAN INSULATED PANELS technical bulletin *Annual Inspection and maintenance*.

Roof plumbing: Clean out spoutings, gutters and rainwater pipes after completion of roof installation.

Operation and maintenance manuals

Requirement: Prepare a manual that includes recommendations from Kingspan for annual maintenance of the roofing system, including recommended methods of access, inspection, cleaning, repair and replacement.

Compliance with this subclause targets the Building Information requirement within the Minimum Expectation level of the Verification and Handover credit in Green Star Buildings (2025).

Warranties

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

- Roofing materials: Manufacturer's product warranty.
- Workmanship: Installer's warranty.
- Form: Against failure of materials and execution under normal environment and use conditions.
- Period: As offered by the manufacturer and the installer.

Use only if warranties extending beyond the defects liability period are available for the particular system. As the warranty is in the form of separate material and installation warranties, the signatures of both manufacturer and installer are required.

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

KINGSPAN INSULATED PANELS standard warranties include paint systems and panel materials. All warranties are project specific and long term product performance can depend on many factors, including the project location, aspect to prevailing winds, proximity to bodies of water (marine or otherwise) and local site factors such as nearby industries or industrial processes.

Warranty periods: Provided the panels are installed to KINGSPAN INSULATED PANELS recommendations and installers are trained by KINGSPAN INSULATED PANELS field service manager, warranties periods are as follows:

- KS1000RW: Standard range: Up to 20 years (up to 15 years marine). High performance range: Up to 25 years (up to 15 years marine). Up to 10 years for internal high-humidity applications. Covering structural, thermal and coating performance.
- KS1100/KS1200RL: Standard range: Up to 20 years (up to 15 years marine). Up to 10 years for internal high humidity applications. Covering structural and thermal performance. Subject to project specifics.

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 PRODUCT

KINGSPAN INSULATED PANELS roofing system schedule

	A	B	C
Profile			
Roof pitch			
Internal environment			
Panel width (mm)			
Panel length (m)			
External sheet thickness (mm)			
External sheet: Colour range/finish			
External sheet: Colour			
Covering for use with			

	A	B	C
KS1100/KS1200RL			
Core thickness (mm)			
Internal liner sheet thickness (mm)			
Internal liner sheet: Colour range/finish			
Internal liner sheet: Colour			
Product R-Value (m ² .K/W) at 23°C			
R-Value (m ² .K/W) Heat Flow Out (Winter)			
R-Value (m ² .K/W) Heat Flow In (Summer)			

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:

- KS1000RW Trapezoidal Roof Panel (KS1000RW).
- KS1100/KS1200RL Roofliner Panel (KS1100/KS1200RL).

Roof pitch: If required, document the roof pitch:

- KS1000RW: 3° or above after deflection. Contact KINGSPAN INSULATED PANELS for pitches less than 3°.
- KS1100/1200RL minimum pitch: To suit documented decking/membrane. Refer to the manufacturer's recommendations.

Internal environment for KS1100/KS1200RL: Select Low-humidity or High-humidity. Delete if not required.

Panel width (mm): Standard module:

- KS1000RW: 1000.
- KS1100RL: 1100.
- KS1200RL: 1200.

Panel length (m): Standard lengths available from 2 m to 13.7 m. Longer lengths can be supplied on request (up to 16.2 m depending on product and thickness). Contact KINGSPAN INSULATED PANELS for advice. For orders outside of Australia, maximum lengths are 11.8 m.

External sheet thickness (mm): Consult KINGSPAN INSULATED PANELS when thicknesses required for the project differ from the following:

- KS1000RW: 0.42 (Minimum), 0.75.
- KS1100/KS1200RL: 0.6 (Standard).

External sheet colour range/finish: Select from:

- KS1000RW: Select from Standard Range, High performance Range, Metallic Range.
- KS1100/KS1200RL: Select from Standard Range, High performance Range.

External sheet colour:

- KS1000RW: Consult KINGSPAN INSULATED PANELS for the colours available.
- KS1100/KS1200RL: Off white. (Standard).

Covering for use with KS1100/1200RL: Nominate the product or select from:

- Profiled sheet metal.
- Seamed sheet metal.
- Single-ply membrane system.

Core thickness (mm): Select from:

- KS1000RW: 40, 60, 70, 100, 120 or 140.
- KS1100/KS1200RL: 50, 75, 100, 125, 150 or 200.

Internal liner sheet thickness (mm): Consult KINGSPAN INSULATED PANELS when thicknesses required for the project differ from the following:

- KS1000RW: 0.32 (Minimum), 0.42, 0.75.
- KS1100/KS1200RL: 0.45 (Standard).

Internal liner sheet colour range/finish: Select from:

- KS1000RW: CLEANsafe15 (standard internal liner), External Standard Range, Metallic Range.

- KS1000RW high humidity internal environments: AQUAsafe 55 and AQUAsafe 25 (swimming pools).
- KS1100/KS1200RL: AQUAsafe (standard internal liner), External Standard Range, Metallic Range, AQUAsafe 55 and AQUAsafe 25 (swimming pools).

Internal liner sheet colour: Consult KINGSPAN INSULATED PANELS for other colours available.

- KS1000RW: Bright White (Standard).
- KS1100/KS1200RL: Off white (Standard).

R-Value (m².K/W): AS/NZS 4859.1 (2018) requires that R-Value is declared at 23°C for insulation products sold in Australia. Select from:

- KS1000RW: 1.91, 2.87, 3.36, 4.79, 5.79, 6.66.
- KS1100/KS1200RL: 2.23, 3.44, 4.6, 5.76, 6.93, 9.25.

4.2 ROOF PLUMBING

KINGSPAN INSULATED PANELS Membrane Lined Insulated Gutter schedule

	A	B	C
Gutter type			
Core thickness (mm)			
Internal coating options			
Length (m)			
Box gutter size (mm)			
Girth (mm)			
Sump size (mm)			
Outlet (mm)			
Product R-Value (m ² .K/W) at 23°C			

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.

Gutter type: Select from the following:

- KINGSPAN INSULATED PANELS valley gutter.
- KINGSPAN INSULATED PANELS parapet gutter.
- KINGSPAN INSULATED PANELS box gutter (laid to falls).

Add requirements for syphonic systems separately, as appropriate.

Core thickness (mm): 60.

Internal coating options: Select from CLEANsafe15 (standard internal liner), External Standard Range, Metallic Range, Kingspan AQUAsafe 55 and AQUAsafe 25 (swimming pools) or Antibacterial white.

Length (m): Maximum 6.0. Contact KINGSPAN INSULATED PANELS for longer lengths.

Box gutter size (laid to falls) (mm): Select from the following:

- 800 x 200.
- 600 x 175.
- Bespoke: Specify size.

Girth (mm):

- Valley gutter: MG600, MG1000, MG1200 or MG1450 maximum.
- Box: Maximum MG1450 (laid to falls).
- Parapet gutter: MG600, MG1000, MG1250 or MG1450 maximum.

Contact KINGSPAN INSULATED PANELS Technical Services for assistance with bespoke insulated gutter designs.

Sump size (mm): As documented.

Outlet (mm) 100 or 150.

R-Value (m².K/W): AS/NZS 4859.1 (2018) requires that R-Value is declared at 23°C for insulation products sold in Australia. Select:

- 60 mm thick: 2.75.

Flashing and capping schedule

	A	B	C
Type			
Product			
Material			
Thickness and grade			
Colour			

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.

Document proprietary profiles as proprietary items and custom profiles on drawings. If sizes are not shown on the drawings document here.

Type: e.g. Ridge capping, roll top ridge capping, change of pitch flashing, apron flashing, barge capping, saddle flashing, custom flashing, barge roll, spear point.

Product: Nominate a proprietary system or product and edit schedule to suit.

Material: e.g. Metallic-coated steel, soft zinc, lead, copper, aluminium annealed sheet, bitumen (or polyethylene) coated aluminium, stainless steel, PVC, butyl rubber, neoprene rubber. Lead is not compatible with aluminium or aluminium/zinc coated steel. For malleable flashings, consider soft zinc or plastic sheet. Select the material recommended by the Rollformer or Distributor with reference to the atmospheric corrosivity category nominated for the project in *0171 General requirements*. Refer also to NATSPEC TECHnote DES 010.

Thickness and grade: Minimum thickness and grade for commonly used materials are given in AS/NZS 2904 (1995). If other thicknesses are required, document them here.

Colour: e.g. Match roofing or consult the nominated Rollformer or Distributor's colour chart.

Roof plumbing schedule

Item	Type	Product	Material	Thickness/Grade	Colour/Shape/Size
Eaves gutter					
Valley gutter					
Box gutter					
Rainhead					
Sump					
Downpipe					
Vent					
Hail guard					
Grating					
Leaf guard					

Document requirements here if not shown on the drawings.

Type:

- Eaves gutter: e.g. Quad, fascia, half round, half round flatback.
- Box gutters: Internal box gutters are usually difficult to clean and replace. Add requirements for siphonic systems separately, as appropriate.
- Rainhead: e.g. Standard, tapered, custom-made square, custom-made round, corner ogee, ogee, Chinaman's hat.
- Downpipe: e.g. External, rectangular, circular. For plastic rainwater goods, use proprietary brand names.
- Hail guard: Nominate type of mesh and fixing method.
- Grating: e.g. Wire netting ball, hemispherical wire mesh dome. Document the metal and coating.
- Leaf guard: Check if leaf guards are required.

Product: Nominate a proprietary system or product and edit schedule to suit.

Material:

- Metal rainwater goods: Select the material recommended by the Rollformer or Distributor with reference to the atmospheric corrosivity category nominated for the project in *0171 General requirements*. Refer also to NATSPEC TECHnote DES 010.

- Box gutter: Nominate material and base metal thickness (BMT)(mm). Plain zinc-coated steel is not recommended for internal box gutters, welded stainless steel is recommended.
- Leaf guard: e.g. Plastic mesh, proprietary metal guards to match the gutter profile. Combustible leaf guards are not permitted for bushfire-prone areas.

Thickness/Grade: Minimum thickness and grade for commonly used materials are given in AS/NZS 2179.1 (2014). If other thicknesses are required, specify them here. See AS 1397 (2021) Appendix D for information and guidance on the selection of steel grades and coating classes.

Colour/Shape/Size:

- Box gutter: Nominate cross-section dimensions (mm) and sump size.
- Downpipe: Nominate colour, shape and size (mm).
- Rainhead and vents: Nominate colour, shape and pattern.

4.3 ROOF ACCESSORIES

Roof hatch schedule

	A	B	C
Product			
Size (mm)			

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: Nominate a proprietary system or product and edit schedule to suit.

Roof window schedule

	A	B	C
Product			
Type			
Size (mm)			
Total system solar heat gain coefficient (SHGC)			
Total system U-Value (W/(m ² .K))			
WERS for Skylights energy rating % heating			
WERS for Skylights energy rating % cooling			
Hail guard			

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: Nominate a proprietary system or product and edit schedule to suit.

Type: e.g. Fixed, opening.

Solar heat gain coefficient (SHGC) and U-Value (W/(m².K)): Add if required in BCA (2025) J4D5 or BCA (2025) H6D2(1)(b)(i).

WERS for Skylights energy rating %: The % heating and % cooling refers to the percentage improvement in performance of the window compared with using a base-case Generic Window 1 (3 mm clear glazing in a standard aluminium frame).

Roof ventilator schedule

	A	B	C
Product			
Size (mm)			
Throat diameter (mm)			
Material			
Finish			
Capacity			
Options			

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: Nominate a proprietary system or product and edit schedule to suit.

Material: Select the material recommended by the Rollformer or Distributor with reference to the atmospheric corrosivity category nominated for the project in 0171 *General requirements*. Refer also to NATSPEC TECHnote DES 010.

Finish: e.g. Match roofing.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1366		Rigid cellular plastics sheets for thermal insulation
AS 1366.2	1992	Rigid cellular polyisocyanurate (RC/PIR)
AS 1530		Methods for fire tests on building materials, components and structures
AS/NZS 1530.3	1999	Simultaneous determination of ignitability, flame propagation, heat release and smoke release
AS 1562		Design and installation of sheet roof and wall cladding
AS 1562.1	2018	Metal
AS/NZS 2179		Specifications for rainwater goods, accessories and fasteners
AS/NZS 2179.1	2014	Metal shape or sheet rainwater goods, and metal accessories and fasteners
AS/NZS 2904	1995	Damp-proof courses and flashings
AS/NZS 3500		Plumbing and drainage
AS/NZS 3500.3	2025	Stormwater drainage
AS 4285	2019	Rooflights
AS/NZS 4859		Thermal insulation materials for buildings
AS/NZS 4859.1	2018	General criteria and technical provisions
AS/NZS 4859.2	2018	Design
AS 5637		Determination of fire hazard properties
AS 5637.1	2015	Wall and ceiling linings

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

AS/NZS 1170		Structural design actions
AS/NZS 1170.1	2002	Permanent, imposed and other actions
AS/NZS 1170.3	2003	Snow and ice actions
AS 1397	2021	Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium
AS 1657	2018	Fixed platforms, walkways, stairways and ladders - Design, construction and installation
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 2427	2004	Smoke/heat release vents
AS 2428		Methods of testing smoke/heat release vents
AS 2428.1	2004	Determination of resistance to leakage during rain
AS 2665	2001	Smoke/heat venting systems - Design, installation and commissioning
AS/NZS 2728	2013	Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements
AS 3959	2018	Construction of buildings in bushfire-prone areas
AS 4312	2019	Atmospheric corrosivity zones in Australia
SA HB 39	2015	Installation code for metal roof and wall cladding
HB 106	1998	Guidelines for the design of structures in snow areas
BCA H6D2	2025	Class 1 and 10 buildings - Energy efficiency - Application of Part H6
BCA J4D5	2025	Energy efficiency - Building fabric - Roof lights
BCA Section C	2025	Fire resistance
BCA Section J	2025	Energy efficiency
BCA Table S7C7	2025	Fire resistance - Fire hazard properties - Other materials - Other materials
NCC	2022	National Construction Code
NCC	2025	National Construction Code
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
GBCA Buildings	2025	Green Star Buildings
NATSPEC DES 003		Fire hazard properties of insulation and pliable membranes
NATSPEC DES 004		Air, moisture and condensation
NATSPEC DES 010		Atmospheric corrosivity categories for ferrous products
NATSPEC DES 011		Rainwater harvesting
NATSPEC DES 018		Bushfire protection
NATSPEC DES 020		Fire behaviour of building materials and assemblies
NATSPEC DES 031		Specifying R-Values
NATSPEC GEN 006		Product specifying and substitution
NATSPEC GEN 024		Using NATSPEC selections schedules
NATSPEC TR 01		Specifying ESD