0437P ASKIN® XFLAM PERFORMANCE PANEL CLADDING

Branded worksection

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Worksection abstract

This branded worksection *Template* is applicable to a lightweight exterior facade cladding system by ASKIN® The system comprises prefinished composite panels with metal faces bonded to each side of an insulating ASKIN® XFLAM core. It is designed to provide insulated and airtight connections, and with a range of colours, prints and profiles to suit any commercial or residential application. Some applications include:

- Sports arenas.
- Residential.
- School/University facilities.
- Hospitals.
- Data facilities.
- · Shopping centres.
- Medical centres.
- Aquatic centres.
- Sunshades.
- Awnings.

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:

- 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 where appropriate in addition to this worksection:

- 0432 Curtain walls.
- 0433 Stone cladding.
- 0434 Cladding flat sheets and panels.
- 0435 Cladding planks and weatherboards.
- 0436 Cladding profiled and seamed sheet metal.
- 0437 Cladding insulated panel systems.

Related branded worksections include:

- 0428p ASKIN VOLCORE performance panel roofing.
- 0428p ASKIN XFLAM roofing system.
- 0437p ASKIN XFLAM performance panel cladding.

- 0437p ASKIN VOLCORE performance panel cladding.
- 0762p ASKIN XFLAM performance panels in cool rooms.

Cross references

Worksections that cross reference this worksection are:

None

Documenting this and related work

You may document this and related work as follows:

- Refer to CodeMark Certificate CM40338 Rev 1 for ASKIN Exterior XFLAM and Exterior XFLAM ViviD Performance Panels.
- ASKIN® XFLAM performance panel contains an insulation core made of a syntactic foam sheet that cannot be deemed non-combustible. 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). 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.
- ASKIN® can provide test reports on request from Ian Bennie and Associates for weatherproofing to AS/NZS 4284 (2008).
- 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

ASKIN® XFLAM performance panels have the following sustainable product attributes:

- Thermal and acoustic performance.
- Easy to seal slip joint facilitating efficient hermetically sealed construction to allow controlled airflow and heating and cooling of the internal environment.
- 100% recyclable and may incorporate a proportion of granulated offcuts. The steel skins are recovered and recycled into new steel.
- Measures to minimise condensation leading to greater equipment life and limiting risk of microbial growth.
- Prohibition on use of CFCs and HCFCs as blowing agents.
- Durable components, particularly for corrosion resistance.
- Provision to reduce transmitted noise and vibration.
- pH neutral matrix, which is inert and resistant to water ingress.
- Production plants with extremely low carbon footprint, nil water use and minimal atmospheric or other emissions.
- During its lifetime, ASKIN® XFLAM insulating material will save many times more energy through reduction of heating and cooling requirements than the energy or resources required for its manufacture.

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

ASKIN[®] is an Australian-owned manufacturer and installer of facade systems, roofing systems and temperature-controlled facilities in Australasia. ASKIN[®] embraces a customer first approach in delivering sustainable, lifetime value. With a network of 12 sites throughout Australia and New Zealand, ASKIN[®]'s vast experience is built upon a strong foundation dating back to 1964. ASKIN[®]'s culture of constant improvement, quality and safety assurance is supported by our technical expertise and ISO 9001 (2015) and ISO 14001 (2015) accreditation.

1.1 RESPONSIBILITIES

General

Requirement: Provide an ASKIN® XFLAM performance panel fully insulated exterior facade cladding system and associated work, as documented.

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

The **ASKIN**® external wall and facade panel system is fast to install, weather tight and exceeds the thermal requirements of BCA (2022) Section J. The prefinished internal lining and superior spanning capability reduces in installation cost.

It is available in two configurations: Exterior XFLAM Insulated Panels and Exterior XFLAM ViviD Panel.

The ASKIN® XFLAM performance panels external wall system can be used in place of traditional built-up layered walls and offers the following advantages:

- · Reduced installation costs: Modular and prefinished requiring fewer girts and structure
- Improved levels of airtightness: External continuous uniform end lap with an internal slip joint.
- · Minimised risk of condensation or cold bridging.
- Reduced thickness suitable for residential applications.
- Hygienic and low maintenance finish suitable for food processing, food preparation and cool storage facilities.

The responsibility of the designer is to provide a wall or facade system and associated work that is as follows:

- Designed in conformance with the ASKIN® standard wall, and ViviD façade Systems.
- Resistant to impacts expected in use.
- Free of irregularities.

Application

Combustibility: ASKIN® XFLAM performance panel is combustible. Do not use where a non-combustible product is required.

ASKIN® XFLAM performance panel contains an insulation core made of a syntactic foam sheet that cannot be deemed non combustible

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). If a non-combustible product is required, seek specialist advice.

Notice: If ASKIN® XFLAM performance panel has been documented where a non-combustible product is required, notify the contract administrator.

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

ASKIN® contacts

Website: www.askin.net.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.

1.4 MANUFACTURER'S DOCUMENTS

Technical manuals

Website: For more technical information:

- General: askin.net.au

- External walls: askin.net.au/downloads/#askin-spec-sheets

1.5 TOLERANCES

Permitted deviations

Requirement: To the ASKIN®'s recommendations.

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

1.6 SUBMISSIONS

Fire performance

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

Fire-resistance level: Submit evidence of conformity to **FIRE PERFORMANCE**, **Fire-resistance of building elements**.

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.

Thermal insulation performance for ASKIN® XFLAM performance panel cladding is verified by CodeMark. Refer to CodeMark Certificate CM40338 Rev 1.

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.

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.

Shop drawings

Insulated panel systems: Submit shop drawings to a scale that best describes the detail, showing the following:

- 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 provision for 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.
- Coordination requirements with other work.
- Schedule of materials, finishes, componentry, hardware and fittings.

Subcontractors

General: Submit names and contact details of proposed ASKIN® approved installers.

Contact ASKIN® for details of ASKIN® approved installers appropriate to construction in your area.

Substrate acceptance

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

Warranties

Requirement: Submit warranties to COMPLETION, Warranties.

1.7 INSPECTION

Notice

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

- Workshop assemblies before delivery to the site.
- 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.

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.
- Sealants.

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 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.

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.

Insulation blowing agents

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

Tests

0171 General requirements defines different tests in INTERPRETATION, Definitions.

Water penetration: To AS/NZS 4284 (2008).

BCA (2022) F3P1 requires that external walls prevent the penetration of water so that internal conditions do not become unhealthy or dangerous.

Structural testing: To AS/NZS 4284 (2008).

Resistance to wind pressures:

- Non-cyclonic wind regions: To AS 4040.2 (1992).
- Cyclonic wind regions: To AS 4040.3 (2018).

ASKIN® can provide evidence of ASKIN® XFLAM performance panel cladding conformity to NCC weatherproofing requirements. Refer to CodeMark Certificate CM40338 Rev 1.

2.2 FIRE PERFORMANCE

ASKIN® XFLAM performance panel contains an insulation core made of a syntactic foam sheet that cannot be deemed non combustible.

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.

Group number: To AS 5637.1 (2015).

ASKIN® XFLAM performance panel cladding has been tested to the requirements of AS ISO 9705 (2003), Group 1 with SMOGRArc 1.5. Refer to CodeMark Certificate CM40338 Rev 1.

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.

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

- Spread-of-Flame Index: 0.
- Smoke-Developed Index: ≤ 3.

Refer to NATSPEC TECHnote DES 020 for information on fire-resistance levels.

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

ASKIN® 50 mm thick with Z275 G300 steel skins tested to AS/NZS 1530.3 (1999):

• Ignitability index: 0.

- Spread-of-Flame Index: 0.
- Heat Evolved Index: 0.
- Smoke Developed Index: 1.

ASKIN® 300 mm thick with Z275 G300 steel skins tested to AS/NZS 1530.3 (1999):

- Ignitability index: 0.
- Spread-of-Flame Index: 0.
- Heat Evolved Index: 0.
- Smoke Developed Index: 2.

Refer to CodeMark Certificate CM40338 Rev 1.

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

Fire-resistance of building elements

Fire-resistance level: Test to AS 1530.4 (2014).

Refer to NATSPEC TECHnote DES 020 for information on fire-resistance levels. Refer also to CodeMark Certificate CM40338 Rev 1.

ASKIN® XFLAM 100 mm panels provide an FRL greater than -/30/30. This is the requirement for a non-loading external wall in a Bushfire Attack Level FZ (BAL-FZ) to AS 3959 (2018). ASKIN® can provide test reports on FRL penetration testing.

2.3 ASKIN® EXTERIOR XFLAM PANEL SYSTEMS

General

Requirement: Proprietary panel exterior facade cladding system comprising manufactured, prefinished structural composite panels with metal faces bonded to each side of an insulating, ASKIN® XFLAM core.

Combustibility: ASKIN® XFLAM performance panel is combustible. Do not use where a non-combustible product is required.

Certification: CodeMark Certificate of Conformity CM40338 Rev 1.

The date of expiry of this CodeMark Certificate of Conformity is 30/01/2026.

See CodeMark Certificate of Conformity for conditions and limitations. To confirm it has not been withdrawn, suspended or superseded by a later issue, see register.jasanz.org/codemark-register for the CodeMark Register of Certificates of Conformity.

ASKIN® Exterior XFLAM Panels are locally manufactured and can be installed vertically or horizontally either mechanically through fixed or with a concealed fixing system. Other width panels are available to suit job specific requirements, Contact your local ASKIN® sales representative to discuss your project requirements.

ASKIN[®] Exterior XFLAM performance Panels were the first in Australasia to achieve FM accreditation in all three relevant certifications for Insulated Panel Systems – FM 4471 (2010), FM 4880 (2017), FM 4881 (2016) and FM 4882 (2021). These Approvals cover full scale fire, severe hail, and hurricane conditions.

ASKIN® XFLAM insulation core

Material: Syntactic foam sheet with Factory Mutual certification to FM 4471 (2010), FM 4880 (2017), FM 4881 (2016) and FM 4882 (2021).

ASKIN® XFLAM is a market leading, insurer endorsed, innovative product. It is a syntactic foam with excellent mechanical properties, superior insulation values, low toxicity and is completely recyclable. ASKIN® XFLAM achieves a high insulation rating to easily achieve BCA (2022) Section J compliance (R-Values of 1.5 to 8.10 m²K/W). The high insulation value reduces the energy costs required for maintaining a comfortable and efficient environment within the building. ASKIN® XFLAM performance panels were the first in Australasia to achieve FM accreditation in all three relevant certifications for Insulated Panel Systems – FM 4471 (2010), FM 4880 (2017), FM 4881 (2016) and FM 4882 (2021). These Approvals cover full scale fire, severe hail, and hurricane conditions.

Application: Recommended for general commercial construction, specifically coolstores, supermarkets, municipal facilities, schools hospitals, food and drug manufacture, storage, distribution and cold chain.

Internal and external skins

Standard: 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.

Document requirements in the ASKIN® Exterior XFLAM Panel schedule or ASKIN® Exterior XFLAM ViviD Panel schedule. Other width panels are available to suit job specific requirements, Contact your local ASKIN® sales representative to discuss your project requirements.

Skin material and thickness: As documented.

The standard external skin material is 0.5 mm AM100 colour coated steel. The standard internal skin is 0.4 mm Z275 colour coated steel. AZ150, PVDF or ASKIN® 200 Plus are available for alternate performance. All Colorbond® colours or Colorbond® PVDF steel are available. The available skin thicknesses are 0.4, 0.5 or 0.6 mm depending on requirements for structural performance, and fire resistance (minimum 0.5 mm external/0.4 mm internal).

Factory pre-coating: Polyester to a dry film thickness of 25 µm.

Colorbond® Intramax[™] Off-white is standard. All Colorbond® or Colorbond® PVDF colours are available. Colorbond® PVDF is a paint finish. ASKIN® 200 Plus, a 200 µm thick polymer coating, is also available. For advice on colour selection, contact your local ASKIN® sales representative to discuss your project requirements.

Internal skins for highly corrosive conditions (AQUATIC): ASKIN® 200 Plus.

The integrated plastisol 200 µm coating is durable, abrasion-resistant and provides outstanding colour retention and corrosion resistance for the lifetime of the building. Please contact ASKIN® Technical for high humidity details.

Profile: Internal and external panels profiles as documented.

Dimensions

ASKIN® XFLAM external (1200 mm Standard) and **ASKIN® XFLAM ViviD Architectural Performance Panel** (1000 mm Standard) are available in lengths up to 22 m subject to location.

Panel thickness: As documented.

ASKIN® XFLAM performance panels are available in thicknesses from 50 to 300 mm in 25 mm increments. ASKIN® XFLAM ViviD Architectural Performance Panel 1000 mm are available in thicknesses from 85 to 150 mm in 25 mm increments. Thickness is dictated by insulation, structural capacity and fire performance required. Contact ASKIN® to discuss your project requirements.

Panel width:

- Standard panel width: 1200 mm.
- ViviD Architectural Performance Panel width: 1000 mm.

2.4 ASKIN® EXTERIOR XFLAM PANEL

General

Description: Proprietary exterior facade cladding panels comprising manufactured, prefinished composite panels with metal faces bonded to each side of an insulating, ASKIN® XFLAM core. The ASKIN® Exterior XFLAM Panel integrates the ASKIN® Slip Jointing system.

ASKIN® Exterior XFLAM Panels are locally manufactured and can be installed vertically or horizontally either mechanically through fixed or with a concealed fixing system. Other width panels are available to suit job specific requirements, Contact your local ASKIN® sales representative to discuss your project requirements.

ASKIN® Exterior XFLAM Panels achieve FM accreditations in relevant certifications for Insulated Panels - FM 4881 (2016) and FM 4880 (2017) Class 1 Unlimited Height and FM 4882 (2021).

2.5 ASKIN® EXTERIOR XFLAM VIVID PANEL

General

Description: Proprietary exterior facade cladding panels comprising manufactured, prefinished composite panels with metal faces bonded to each side of an insulating, ASKIN® XFLAM insulation core. The ASKIN® Exterior XFLAM ViviD Panel is a concealed fixing panel system.

ASKIN® XFLAM Exterior ViviD Panels are locally manufactured and can be installed vertically or horizontally with a weathertight concealed fixing system. Other width panels are available to suit job specific requirements, Contact your local ASKIN® sales representative to discuss your project requirements.

ASKIN® Exterior XFLAM ViviD Panels achieve FM accreditations in relevant certifications for Insulated Panels - FM 4881 (2016) and FM 4880 (2017) Class 1 Unlimited Height FM 4882 (2021).

2.6 COMPONENTS

General

Cladding support: Provide components, as documented.

Document in the **Cladding support schedule**. If using cast-in anchors and/or cast-in fasteners, see *0314 Concrete in situ* and document requirements in *0314 Concrete in situ* or on drawings.

System accessories

Requirement: ASKIN® system accessories colour matched to performance panels, as documented:

- Top hats.

Steel top hats maximum length 3 m. Aluminium top hats maximum lengths 6 m.

- Preformed insulated corners.

A range of preformed insulated corners as an alternative to traditional corner flashing. Contact ASKIN® Technical regarding suitability of preformed corners and limitations.

Flashings

Prefabricated flashings: Minimum 0.6 mm coated steel to AS 1397 (2021) manufactured to suit the selected external and internal sheet.

Flashings: To AS/NZS 2904 (1995).

Coordinate with 0428p ASKIN XFLAM roofing system.

Fasteners (non-cyclonic)

Primary: Self-tapping, self-drilling screws manufactured from carbon steel, anti-corrosion coated and fitted with a 16 mm diameter bonded washer. If the panel's tongue is removed on site, use face fixed fasteners to ASKIN® recommendations.

Cyclonic applications: Contact ASKIN® technical services for recommendations and testing documentation.

2.7 SUNDRY COMPONENTS

Sealants

Materials: One-component compounds with a neutral curing mechanism, vulcanising at room temperature. Provide sealants that:

- Do not foster microbial growth.

The requirement that sealants not foster microbial growth is consistent with AS/NZS 3666.1 (2011). Sealants that support mould growth (e.g. some grades of silicone) and are unsuitable for use in food preparation areas, laboratories, heath facilities and the like

- Bond to the surface of application without primers.
- Are resistant to oils, food acids and water after curing.
- Are non-toxic.
- After curing retain their elastomeric properties over the range of room operating temperatures.
- Are suitable for application by gun or hand tools.
- Are ASKIN® approved for the application.

3 EXECUTION

3.1 GENERAL

Preparation

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

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

ASKIN® Exterior XFLAM Panel installation

Standard: To AS 1562.1 (2018).

Requirement: Conform to ASKIN®'s recommendations and standard construction drawings.

Detail control joints, flashing at windows and abutments, and penetrations. Consult ASKIN® for further information.

Installation: Install cladding as follows:

- 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 for 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.

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 300 mm: Provide additional structural support.

Swarf: Remove swarf and any foreign matter immediately from the external surface of panels.

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

Fasteners, laps, seals, and fillers: Install as documented.

Fixing method: As documented or to one of the following fixing methods to ASKIN®'s recommendations:

- Steel and timber framing: Screw.

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 or 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.

Subcontractors

General: Use ASKIN® approved installers.

Joints

Control joints: To coincide with structural movement joints and as documented.

Accessories and trim

Requirement: Provide accessories 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 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 oxidisation.

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.

ASKIN® panels: Clean surfaces to the manufacturer's recommendations.

Operation and maintenance manuals

Requirement: Prepare a manual that includes ASKIN® Warranty and maintenance for care and maintenance of ASKIN® XFLAM performance panel exterior facade system, including frequency of inspection and recommended methods of access, cleaning, repair and replacement.

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.

Type: Manufacturer and installer's interlocking warranty.

If the warranty is in the form of separate material and installation warranties, the signatures of both manufacturer and installer are required.

Period: As offered by the manufacturer and the installer.

Subject to maintenance conforming to ASKIN® Warranty and maintenance, ASKIN® standard warranty for corrosion or blistering of the skin material is 10 years for general application subject to location and can be up to 25 years depending on the substrate used and the application.

Form: Against failure of materials and execution under normal environment and conditions of use.

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

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 PRODUCTS

ASKIN® Exterior XFLAM Panel schedule

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	Α	В	С
Fire hazard properties: Group number			
Fire-resistance level (FRL)			
Internal environment			
Panel thickness (mm)			
Panel skin material: External			
Panel skin material: Internal			
Panel skin thickness: External (mm)			
Panel skin thickness: Internal (mm)			
Panel profile: External			
Panel profile: Internal			
Panel finish and colour: External			
Panel finish and colour: Internal			
R-Value (m ² .K/W) In			
R-Value (m ² .K/W) Out			
Weighted sound reduction index (R _w)			
Solar absorptance			
Light Reflectance Value (LRV)			
Trim			
Control joint width			
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.

Contact ASKIN® to discuss your project requirements.

Fire hazard properties: Group number: Refer to BCA (2022) Spec 7.

Fire-resistance level (FRL): Select from:

- 100 mm thick: /120/30.
- 160 mm thick: /120/60.
- 220 mm thick: /120/90.
- 250 mm thick: /120/115.
- 275 mm thick: /120/120.

Panel thickness: Select from 50 to 250 mm in 25 mm increments.

Panel skin material: Internal and external Select from:

- AM100 colour coated steel.
- Z275 colour coated steel.
- AZ150 colour coated steel.
- ASKIN[®] 200 Plus.
- Colorbond[®] Intramax[™].
- Stainless steel.
- Aluminium.
- Colorbond® PVDF steel.

Panel skin thickness: Internal and external: e.g. 0.4, 0.5 or 0.6 mm.

Panel profile: Internal and external: Select from:

- Flat.
- Mesa.
- Rib.
- Silkline.

- Shadlowline.
- Australine.
- Express joint.
- Unideck.
- Metric (1.0 m wide).

Panel finish: External: Select from Colorbond®, Colorbond® Intramax™, Colorbond® PVDF or ASKIN® 200 Plus ranges.

Panel finish: Internal: Select from Colorbond®, Colorbond® Intramax™, Colorbond® PVDF or ASKIN® 200 Plus ranges.

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

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

Weighted sound reduction index (R_w): Select from the manufacturer's range.

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.

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

Flashings and cappings: e.g. Prefinished sheet metal to match cladding colour. Coordinate with 042 Roofing worksections.

Fasteners: e.g. Concealed, expressed.

ASKIN® Exterior XFLAM ViviD Panel schedule

	A	В	С
Fire hazard properties: Group number			
Internal environment			
Panel thickness (mm)			
Panel skin material: External			
Panel skin material: Internal			
Panel skin thickness: External (mm)			
Panel skin thickness: Internal (mm)			
Panel profile: External			
Panel profile: Internal			
Panel finish and colour: External			
Panel finish and colour: Internal			
R-Value (m ² .K/W) In			
R-Value (m ² .K/W) Out			
Weighted sound reduction index (R _w)			
Solar absorptance			
Light Reflectance Value (LRV)			
Trim			
Control joint width			
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.

Contact ASKIN® to discuss your project requirements.

Fire hazard properties: Group number: Refer to BCA (2022) Spec 7.

Panel thickness: Select from 85 to 150 mm in 25 mm increments.

Panel skin material: Internal and external Select from:

- AM100 colour coated steel.
- Z275 colour coated steel.

- AZ150 colour coated steel.
- ASKIN[®] 200 Plus.
- Colorbond[®] Intramax[™].
- Stainless steel.
- Aluminium
- Colorbond® PVDF steel.

Panel skin thickness: Internal and external: e.g. 0.4, 0.5 or 0.6 mm.

Panel profile: Internal and external: Select from:

- Seamless
- Silkline.
- Ambience.
- Infinite.
- Transform

Panel finish: External: Select from Colorbond®, Colorbond® Intramax™, Colorbond® PVDF or ASKIN® 200 Plus ranges.

Panel finish: Internal: Select from Colorbond®, Colorbond® Intramax™, Colorbond® PVDF or ASKIN® 200 Plus ranges.

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

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

Weighted sound reduction index (R_w): Select from the manufacturer's range.

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.

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

Flashings and cappings: e.g. Prefinished sheet metal to match cladding colour. Coordinate with 042 Roofing worksections.

Fasteners: e.g. Concealed, expressed

Cladding support schedule

	Α	В	С
Product			
Material			
Vertical members			
Horizontal members			
Spacing: Vertical members			
Spacing: Horizontal members			

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 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, anodised aluminium, stainless steel appropriate to the project's location.

If using cast-in anchors and/or cast-in fasteners, see 0314 Concrete in situ and document requirements in 0314 Concrete in situ or on drawings.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1397	2021	Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc
		alloyed with aluminium and magnesium
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 1530.4	2014	Fire-resistance tests for elements of construction
AS 1562		Design and installation of sheet roof and wall cladding

AS 4040 1995 Damp-proof courses and flashings As 4040 2 1992 Resistance to wind pressures for non-cyclone regions Resistance to wind pressures for cyclone regions Resistance to wind pressures an	AS 1562.1	2018	Metal
AS 4040 Methods of testing sheet roof and wall cladding AS 4040 2 1992 Resistance to wind pressures for non-cyclone regions AS 4040 3 2018 Resistance to wind pressures for non-cyclone regions AS 4050 AS 4052 2018 Resistance to wind pressures for non-cyclone regions AS 4050 AS 4052 2018 Resistance to wind pressures for cyclone regions AS 4050 AS 4050 2018 Resistance to wind pressures for cyclone regions AS 4050 AS 4050 2018 Resistance to wind pressures for cyclone regions AS 4050 AS 4050 2018 Resistance to wind pressures for non-cyclone regions AS 4050 AS 4050 2018 Resistance to wind pressures for non-cyclone regions AS 4050 AS 4050 2018 Resistance to wind pressures for cyclone regions AS 4050 AS 4050 2018 Resistance to wind pressures for cyclone regions AS 4050 AS 4050 2018 AS 4050 2019 AS 4050 201			
AS 4040.2 1992 Resistance to wind pressures for non-cyclone regions AS 4040.3 2018 Resistance to wind pressures for cyclone regions AS 1003.3 2018 Resistance to wind pressures for cyclone regions AS/NZS 4859 Thermal insulation materials for buildings AS/NZS 4859.1 2018 General criteria and technical provisions AS/SE337 Determination of fire hazard properties AS 5637 Determination of fire hazard properties AS 5637.1 2015 Wall and ceiling linings CM40338 2024 ASKIN XFLAM External Walls & Facades Panel FM 4471 2010 Approval standard for Class 1 panel roofs FM 4880 2017 Approval standard for Class 1 panel roofs FM 4881 2016 Approval standard for Class 1 panel roofs FM 4881 2016 Approval standard for Class 1 exterior wall systems FM 4881 2016 Approval standard for Class 1 exterior wall systems FM 4881 2016 Approval standard for Class 1 exterior wall systems FM 4882 201 Class 1 Interior wall and ceiling materials or systems for smoke sensitive occupancies The following documents are mentioned only in the Cuidance text: Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings AS 2312.1 2014 Paint Cuidings AS/NZS 2728 2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements AS/NZS 3666 1 2011 April			
AS 4040.3 2018 Resistance to wind pressures for cyclone regions AS/NZS 4859.1 2018 Central insulation materials for buildings AS/NZS 4859.2 2018 Ceneral criteria and technical provisions AS/S537.1 2015 Ceneral criteria and technical provisions AS/S537.1 2016 Ceneral criteria and technical provisions AS/S537.1 2014 AS/S5366 Ceneral criteria and technical provisions AS/S5358 2012 Ceneral criteria and technical provisions AS/S5358 2012 Ceneral criteria and technical provisions AS/S5358 2016 Ceneral criteria and technical provisions for a deviation and and and and and and and and and an	AS 4040.2	1992	
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ASINZS 4859.1 2018 General criteria and technical provisions Design Design Design AS 5637.1 2015 Wall and celling linings Wall and the Community of the Parameter of the Community of the Communi	AS/NZS 4284	2008	Testing of building facades
AS 15837 2 AS 5637.1 CM40338 2024 ASKINX FLAM External Walls & Facades Panel FM 4471 2010 Approval standard for Class 1 panel roofs FM 4880 2017 Approval standard for Class 1 panel roofs FM 4881 2016 Approval standard for Class 1 exterior wall systems FM 4882 2021 Class 1 Interior wall and ceiling materials or systems for smoke sensitive occupancies The following documents are mentioned only in the Guidance text: AS/NZS 2312 Class 1 Interior wall and ceiling materials or systems for smoke sensitive occupancies AS/NZS 2728 2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements AS/NZS 3666 2 Air-handling and water systems of buildings - Microbial control Design, installation and commissioning AS 3959 2016 Construction of buildings in bushfire-prone areas AS 4312 2019 Atmospheric corrosivity zones in Australia AS 5133 2016 Classification of external walls of buildings based on reaction-to-fire performance Fire tests - Full-scale room test for surface products BCA F3D1 2022 Health and amenity - Roof and wall cladding BCA H1D7 2022 Class 1 and 10 buildings - More and wall cladding BCA H1D7 2022 Class 1 and 10 buildings - More and wall cladding BCA H1D7 2022 Class 1 and 10 buildings - More and wall cladding - Wall cladding BCA Section C 2022 Fire resistance - Fire hazard properties BLUSCOPE TB-018 2022 Fire resistance - Fire hazard properties BLUSCOPE TB-018 2022 Fire resistance - Fire hazard properties BLUSCOPE TB-018 2022 Fire resistance - Fire hazard properties BLUSCOPE TB-018 2022 Corporating and restoration of external walls of buildings - More and wall cladding - Wall cladding Fire performance of external walls of a building applications 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 - External walls of 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	AS/NZS 4859		Thermal insulation materials for buildings
AS 5637.1 2015 Wall and celling linings CM40338 2024 ASKIN XFLAM External Walls & Facades Panel FM 4471 2010 Approval standard for Class 1 panel roofs FM 4880 2017 Approval standard for Class 1 panel roofs FM 4881 2016 Approval standard for Class 1 panel roofs FM 4882 2017 Class 1 Interior Finish Materials FM 4882 2021 Class 1 Interior wall and celling materials or systems for smoke sensitive occupancies FM 4882 2021 Class 1 Interior wall and celling materials or systems for smoke sensitive occupancies FM 610wing documents are mentioned only in the Guidance text: AS/NZS 2312	AS/NZS 4859.1	2018	General criteria and technical provisions
AS 5637.1 2015 Wall and ceiling linings CM40338 2024 ASKIN XFLAM External Walls & Facades Panel PM 4471 2010 Approval standard for Class 1 panel roofs PM 4880 2017 Approval standard for Class 1 panel roofs PM 4881 2016 Approval standard for Class 1 exterior wall systems PM 4882 2021 Class 1 Interior wall and ceiling materials or systems for smoke sensitive occupancies The following documents are mentioned only in the Guidance text: ASINZS 2312 Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings AS 2312.1 2014 Paint coatings ASINZS 3666 Paint coatings ASINZS 3666.1 2011 Paint coatings ASINZS 3666.1 2011 Paint coatings AS 4312 2019 Construction of buildings in bushfire-prone areas ASINZS 3666.1 2011 Design, installation and commissioning Construction of buildings in bushfire-prone areas AS 4312 2019 Atmospheric corrosivity zones in Australia AS 5113 2016 Classification of external walls of buildings based on reaction-to-fire performance AS 180 9705 2003 Fire tests - Full-scale room test for surface products Installation code for metal roof and wall cladding BCA F3P1 2022 Health and amenity - Roof and wall cladding - Waetherproofing BCA 4107 2022 Class 1 and 10 buildings - Structure - Roof and wall cladding BCA 53D8 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 - External walls of 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 56CB 50CB 50CB 50CB 50CB 50CB 50CB 50CB 50	AS/NZS 4859.2	2018	Design
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FM 4880 2017 Approval standard for Evaluating the Fire Performance of Building Panel Assemblies and Interior Finish Materials FM 4881 2016 Approval standard for Class 1 exterior wall systems FM 4882 2021 Class 1 Interior wall and ceiling materials or systems for smoke sensitive occupancies The following documents are mentioned only in the Guidance text: ASINZS 2312	CM40338	2024	ASKIN XFLAM External Walls & Facades Panel
and Interior Finish Materials FM 4881 2016 Approval standard for Class 1 exterior wall systems Class 1 Interior wall and celling materials or systems for smoke sensitive occupancies 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 /NZS 2728 2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements AS/NZS 3666 Ai-As/NZS 3666.1 2011 Design, installation and commissioning AS 3859 2018 Construction of buildings in bushfire-prone areas AS 4312 2019 Atmospheric corrosivity Zones in Australia AS 5113 2016 Classification of external walls of buildings based on reaction-to-fire performance AS 1SO 9705 2003 Fire tests - Full-scale room test for surface products SA HB 39 2015 Installation code for metal roof and wall cladding BCA F3D5 2022 Health and amenity - Roof and wall cladding BCA F3D1 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 buildings - External walls of a sole-occupancy unit of a Class 2 building or a Class 4 part of a buildings - External walls of 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 - External walls of 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 - External walls of 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 - External walls of a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls or a sole-occupancy	FM 4471	2010	Approval standard for Class 1 panel roofs
EM 4881 2016 Approval standard for Class 1 exterior wall systems 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 2312.1 2014 Paint Coatings AS/NZS 2666 AS/NZS 3666 AS/NZS 3666.1 2011 Design, installation and commissioning AS 3959 2018 Construction of buildings in bushfire-prone areas AS 4312 2019 Atmospheric corrosivity zones in Australia AS 5113 2016 Classification of external walls of buildings based on reaction-to-fire performance AS 180 9705 2003 Fire tests - Full-scale room test for surface products AS 1819 2015 Installation code for metal roof and wall cladding BCA F3D1 2022 Health and amenity - Roof and wall cladding - Weatherproofing BCA H1D7 2022 Class 1 and 10 buildings - Structure - Roof and wall cladding BCA Section C 2022 Fire resistance BCA Section J 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 - External walls on a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls on 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 - External walls on 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 - External walls or a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls or a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls or a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls or a sole-occupancy unit of a Class 2 building or a Class 4 part of a building a building - E	FM 4880	2017	
FM 4882 2021 Class 1 Interior wall and ceiling materials or systems for smoke sensitive occupancies 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/NZS 3666 AS/NZS 3666.1 2011 AS 3959 2018 Construction of building and water systems of buildings - Microbial control Design, installation and commissioning AS 4312 2019 Construction of buildings in bushfire-prone areas AS 4312 2019 Atmospheric corrosivity zones in Australia AS 5113 2016 Classification of external walls of buildings based on reaction-to-fire performance AS ISO 9705 2003 Fire tests - Full-scale room test for surface products BCA F3D5 2022 Health and amenity - Roof and wall cladding BCA F3D5 2022 Class 1 and 10 buildings - Structure - Roof and wall cladding BCA F3D1 2022 Class 1 and 10 buildings - Structure - Roof and wall cladding BCA Saction C 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 - External walls of 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 - External walls of a sole-occupancy unit of a Class 2 building or a Class 4 part of a building - External walls and cladding advisory note BlueScope TB-01A 2023 Steel roofing products - Selection guide BlueScope TB-01B 2022 Fire resistance - Fire hazard properties BlueScope TB-01B 2022 Steel roofing products - Selection guide BlueScope TB-01B 2022 Steel roofing products - Selection guide BlueScope TB-01B 2022 Steel roofing products - Selection guide BlueScope TB-01B 2022 Fire performance of external walls and cladding advisory note BlueScope TB-01B 2022 Steel walling products - Selection guide BlueScope TB-01B 2022 Fire performance of e	FM 4881	2016	
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