Class 2
Building Product Information Sheet

About this template

This template has been developed to help Aotearoa/New Zealand-based manufacturers and importers provide the information required by the **Building (Building Product Information Requirements) Regulations 2022**.

Note that the Ministry of Business, Innovation and Employment is not responsible for the product information added into this template.

How to use

- Download and save this form in your computer
- Collate the required information about your product
- Fill in the template and remove page 1 (this cover page)
- Publish the filled in template on your website.

Background

New regulations have been made to provide building product users with a minimum level of easy-to-understand information about building products.

Visit the Building Performance website for more information.

The new regulations were developed to:

- help designers, builders and consumers choose the right products for their needs, install them correctly and make informed decisions about using alternative products if required.
- enable more efficient consenting by providing building consent authorities with the right information, so it is readily available to check that plans will meet the Building Code.
- reduce the chance of building defects, less building rework, more efficient consenting, and safer and more durable buildings.

Types of building products

There are two classes of designated building product as defined in the regulations.

- A class 1 product under the regulations are mass-produced or produced in batches to a general specification. For example, cladding products, mechanical fixings, insulation products, internal lining, roofing products, structural wood-based products, structural steel and reinforcing products, sanitary plumbing and drainage products, including tapware.
- A class 2 product under the regulations is based on a line of products where each unit is customised to the specification of an individual client. For example, external window joinery and doors that have been customised.

Each class has slightly different disclosure information requirements, but the main distinction is when the information must be provided. The intent is that consumers have access to information about a building product before they purchase it.

Visit the Building Performance website for more information and for resources to help you comply with the regulations.

NOTE:

This is a **SUGGESTED** template and is **NOT MANDATORY** to use. **ALTERNATIVELY**, you may choose to publish your product information directly on your website or develop your own template, so long as the information required by the regulations is provided. It is recommended that where appropriate, you reuse existing information and data that you may already have about your building product.

Class 2
Building Product Information Sheet

Product name *(include the brand name)*:

ECO SERIES AI13 JOINERY

Other product names *(variant, sub-variant, functional name, etc. if applicable)*:

ECO SERIES

Product line *(the product line from which the product is customised)*:

Product identifier *(if applicable)*:

ECO SERIES AI13 JOINERY

(This could be a Global Trade Item Number (GTIN) or quick response code (QR code), or any other distinguishable part/model number or identifier.)

Product description and its intended use *(measurements, materials, usage)*:

- ECO SERIES AI13 JOINERY comprises of a fully assembled thermally broken aluminium window and door joinery units.
- ECO SERIES AI13 JOINERY has been designed for, but is not limited to, use in timber-framed housing and residential apartments up to three storeys in height, and may also be used in ancillary and outbuildings associated with these residential uses.
- ECO SERIES AI13 JOINERY is custom fabricated to the requirements of each project. Units are glazed with insulated glass units (IGUs) and may include fixed or opening sashes and door panels. Opening sash options include awning, casement, sliding and bifold styles. Door systems include hinged, bifold and sliding (maximum two tracks).

Place of manufacture: ☑ Aotearoa New Zealand ☐ Overseas

Legal name of the manufacturer(s):

Standard Joinery 2007 Limited

Trading name of the manufacturer(s):

New Zealand Business Number (NZBN): 010203

Other Legal Entity Identifier *(if available)*:

Address for service:

STREET NAME	40 Magnolia Street	SUBURB	Newlands
CITY, COUNTRY	Wellington	POSTCODE	

Website: www.standardjoinery.co.nz

Email address: info@standardjoinery.co.nz

Phone No. *(if applicable)*:

Legal name of the importer *(if applicable)*:

Standard Joinery 2007 Limited

Trading name of the importer *(if applicable)*:

New Zealand Business Number (NZBN): 010203

Other Legal Entity Identifier *(if available)*:

Address for service:

STREET NAME	40 Magnolia Street	SUBURB	Newlands
CITY, COUNTRY	Wellington	POSTCODE	

Website: www.standardjoinery.co.nz

Email address: info@standardjoinery.co.nz

Phone No. *(if applicable)*:

Relevant Building Code clauses:

- B1 Structure: Performance clauses B1.3.1, B1.3.2, B1.3.3 B1.3.4.
- B2 Durability: Performance clauses B2.3.1(b) and B2.3.2.
- C4 Movement to a place of safety: Performance clauses C4.3 and C4.5
- D1 Access Routes: Performance clause D1.3.1 (b).
- E2 External Moisture: Performance clause E2.3.2 and E2.3.7.
- E3 Internal Moisture: Performance clause E3.3.1
- F2 Hazardous Building Materials: Performance clauses F2.3.1, F2.3.2, F2.3.3.
- F4 Safety from Falling: Performance F4.3.1 and F4.3.4.
- F9 Means of restricting access to residential pools: Performance clause F9.3.4
- G4 Ventilation: Performance G4.3.1 and G4.3.3
- G7 Natural Light: Performance G7.3.1 and G7.3.2.
- H1 Energy Efficiency: Performance clauses H1.3.1, H1.3.2E and H1.3.3.

Statement on how the building product is expected to contribute to compliance:

- **B1.3.1, B1.3.2, B1.3.3 and B1.3.4:** ECO SERIES AI13 JOINERY has been tested in accordance with SNZ TS 4211:2022 (2022 classification type) and with NZS 4211:2008, and is fabricated to the structural requirements of the Wind Zone specified in the project requirements. ECO SERIES AI13 JOINERY is glazed to comply with NZS 4223.3:2016 where specified in the project requirements because human impact may occur. Refer to BAR Test Report No. 01000 available online at: www.standardjoinery.co.nz/testreports.
- **B2.3.1(b) and B2.3.2:** ECO SERIES AI13 JOINERY can be finished to provide a durability of at least 15 years in all Exposure Zones , except in microclimates where there is evidence of corrosion in adjacent structures caused by industrial or geothermal atmospheres. Durability is dependent on ECO SERIES AI13 JOINERY being installed and maintained in accordance with Standard Joinery Ltd requirements. IGUs comply with the requirements of NZS 4223.2: 2016. Timber reveals comply with NZS 3602:2003. Refer XYZ Durability Report No. 02000 available online at www.standardjoinery.co.nz/testreports.
- **C4.3 and C4.5:** ECO SERIES AI13 JOINERY doors can be used within an escape route where relevant considerations are specified in the project requirements.
- **D1.3.1(b):** ECO SERIES AI13 JOINERY doors can be used within an access route where relevant considerations are specified in the project requirements.
- **E2.3.2 and E.2.3.7:** ECO SERIES AI13 JOINERY has been tested in accordance with SNZ TS 4211:2022 (2022 classification type) and with NZS 4211:2008, and is fabricated to the water penetration requirements of the Wind Zone specified in the project requirements. ECO SERIES AI13 JOINERY is suitable for installation in accordance with Acceptable Solution E2/AS1, Third Edition Amendment 10, and can be supplied with sill support bars or support blocks to suit the cladding selection. Installation details provided by other parties such as architects and cladding system suppliers may also be suitable.
- **E3.3.1:** ECO SERIES AI13 JOINERY is glazed with IGUs to the project requirements, and does not require condensation collection channels to meet the requirements of E3/AS1 Second Edition Amendment 7, Paragraph 1.3 Condensation control.
- **F2.3.1, F2.3.2 and F2.3.3:** ECO SERIES AI13 JOINERY is safe when handled in accordance with installation instructions. ECO SERIES AI13 JOINERY is fabricated to comply with NZS 4223.3:2016 where specified in the project requirements.
- **F4.3.1 and F4.3.4:** ECO SERIES AI13 JOINERY is fabricated with opening restrictors to comply with F4/AS1 Third Edition Amendment 2, Paragraph 2.0 Opening Windows, where relevant considerations are specified in the project requirements.
- **F9.3.4:** ECO SERIES AI13 JOINERY may be fabricated with restrictors, door closers and swimming pool barrier latches fitted to opening windows or doors within a wall that forms part of a residential pool barrier. Residential pool barrier designs may comply with F9/AS1 First Edition, or with an alternative design provided by other parties. ECO SERIES AI13 JOINERY does not include warning signs and door alarms: if these are required by the design then they may be supplied and installed on site by others.
- **G4.3.1 and G4.3.3:** ECO SERIES AI13 JOINERY can be fabricated with opening sashes of type and dimensions specified in the project requirements to help provide building ventilation. Ventilation design may comply with G4/AS1 Fourth Edition, Paragraph 1.2 Natural ventilation, or an alternative ventilation system design which utilises opening window sashes and is provided by other parties such as mechanical services engineers could be suitable.
- **G7.3.1 and G7.3.2:** ECO SERIES AI13 JOINERY can be fabricated with the area and Visible Light Transmittance (VLT) of glazing specified by the project requirements to help provide natural light and awareness of the outside. Glazing design may comply with G7/AS1 Second Edition or G7/AS2 First Edition, or an alternative glazing design provided by other parties such as lighting engineers could be suitable.
- **H1.3.1(a), and H1.3.2E:** ECO SERIES AI13 JOINERY can be fabricated with IGUs made from a range of possible glass, spacer and infill gas types, to suit the window insulation (R-value) requirements of the project. Depending on the window or door type, dimensions and IGU type, R-values between R0.28 and R0.56 can be provided, determined in accordance with either H1/AS1 Fifth Edition Amendment 1, Table E1.1.1, or with H1/VM1 Fifth Edition Amendment 1, Paragraph E1.

Relevant standards

ECO SERIES AI13 JOINERY, and/or its component parts, are tested, fabricated and specified to comply with the following standards, as relevant to the project specifications:

- SNZ TS 4211:2022 *Specification for the classification of windows* (2022 classification type)
- NZS 4211:2008 *Specification for the performance of windows*
- NZS 4223 *Code of practice for glazing in buildings* - Part 1:2008 Glass selection and glazing
- NZS 4223 *Code of practice for glazing in buildings* - Part 2:2016 Insulating glass units
- NZS 4223 *Code of practice for glazing in buildings* - Part 3:2016 Human impact safety requirements
- NZS 4223 *Code of practice for glazing in buildings* - Part 4:2008 Dead, wind and snow loading
- NZS 3602:2003 *Timber and wood-based products for use in buildings*
- AS 3715:2002 *Metal finishing – Thermoset powder coatings for architectural applications of aluminium and aluminium alloys*.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

Limitations on the use of the building product:

ECO SERIES AI13 JOINERY is not fire resisting glazing and cannot provide a fire resistance rating.

ECO SERIES AI13 JOINERY is not suitable for use in high-use situations such as commercial, institutional assembly or industrial buildings.

ECO SERIES AI13 JOINERY is not suitable for use where recommended maintenance cannot be reasonably achieved, including use in buildings taller than three storeys or 10 m in height.

Design requirements that would support the use of the building product:

ECO SERIES AI13 JOINERY is designed for, but is not limited to, use in projects within the following scope:

- Housing and residential apartment buildings, and their associated ancillary and outbuildings.
- Building height up to three storeys or 10 m.
- Timber framed construction.
- All Wind Zones up to and including Extra High.
- All Exposure Zones, except in microclimates where there is evidence of corrosion in adjacent structures caused by industrial or geothermal atmospheres.
- Overall door or window size up to 5.000 m wide x 2.100 m high, with maximum unit weight 180 kg. Limitations on the configuration, maximum dimensions, and weights of individual panels also apply, and are dependent on the panel type.
- Maximum IGU thickness is 32 mm.
- Design and installation that follows common Acceptable Solutions such as E2/AS1, F4/AS1, G4/AS1, G7/AS1 and H1/AS1.
- Anodised or powdercoat finish to aluminium, selected from the Standard Joinery Ltd available colour range.
- Timber reveals pre-primed for site painting, unless otherwise agreed with Standard Joinery Ltd.

ECO SERIES AI13 JOINERY may be used in projects outside this scope if other parties such as architects or cladding system suppliers establish appropriate design and installation requirements.

ECO SERIES AI13 JOINERY has an air permeability class of 3 (determined in accordance with SNZ TS 4211) and achieves an air infiltration rating for air-conditioned buildings (determined in accordance with NZS 4211). Controlling air permeability and infiltration helps prevent heat losses from buildings.

ECO SERIES AI13 JOINERY is custom fabricated to the requirements of each project. Prior to fabrication, the following project selections must be confirmed by the specifier:

- Unit size.
- Opening panel size(s) and type(s), and configuration of fixed and opening panels, including any specific requirements for doors that are on access routes or escape routes.
- Project Wind Zone.
- Project Exposure Zone.
- IGU performance selections, including R-value, solar heat gain (SHGC), VLT, and safety glazing requirements.
- Safety fittings and hardware: restrictors, door closers and swimming pool barrier latches to be fitted where an opening window or door requires features for safety from falling or is within a wall that forms part of a residential pool barrier.
- Finish requirements and colour for aluminium components.
- Any special requirements for timber reveals. Default specification is pre-primed finger-jointed radiata pine H3.1 treated, suitable for paint finish.

Installation requirements *(also provide link to the product installation guide)*:

- Ensure that the joinery is protected from dust, debris, and moisture if stored prior to installation.
- Inspect joinery thoroughly before beginning installation to ensure it is free from any defects and damage, including damage caused during transit and delivery.
- Check the dimensions and fit of each unit against the rough opening.
- Install the door in accordance with the consented or design drawings and with Standard Joinery Ltd installation requirements available from www.standardjoinery.co.nz/installation.
- Ensure door and window units are installed plumb, level, and in plane, within the tolerances set out in the **MBIE Guide to materials, tolerances, and workmanship in residential construction**.
- Check and adjust all seals and operating hardware to ensure good fit and proper operation and function without jamming or gaps.
- Ensure drain holes are clear of dirt and debris following installation.

Maintenance requirements *(also provide link to the product maintenance guide)*:

- Exterior surfaces of ECO SERIES AI13 JOINERY should be washed at least once every four months, and more frequently for buildings in harsh environments (eg, close to beaches and coastlines), and for units that are not completely exposed to regular rain washing, such as those which are partly or fully sheltered by eaves, gable verges, porches, verandah roofs, adjacent buildings trees, landscaping or garden features etc.
- All drain holes in aluminium ECO SERIES AI13 JOINERY members should also be cleaned every four months to prevent the build-up of dirt or debris that could impede the free passage of air and water.
- The sill tracks and all top and bottom of ECO SERIES AI13 JOINERY sliding and bifolding units should also inspected and cleaned every four months to remove any debris and dirt.
- Interior surfaces of ECO SERIES AI13 JOINERY should be regularly dusted or wiped with a sponge or soft cloth and warm water.
- Handles, catches, and similar hardware on ECO SERIES AI13 JOINERY should be cleaned regularly with a sponge or soft cloth and warm water, mild detergent may be used for powdercoated or anodised components or use a proprietary cleaning product designed for the hardware finish material.
- Glass surfaces of ECO SERIES AI13 JOINERY may be cleaned with a sponge or soft cloth and warm water with mild detergent, or with proprietary glass cleaning products. Abrasive materials should not be used to clean or wipe glass, as this will cause damage to the glass surface.
- All seals, hinges, stays, rollers and other hardware should be checked annually for proper fit and operation, and to ensure all screws and fixings remain tight.

Is the building product/building product line subject to warning or ban under section 26?:

☐ Yes ☑ No

If yes, description of the warning or ban under section 26:

Version:

Date: DD 15 / MM 01 / YYYY 2024