Alumi Group Ltd.
5C Andrew Baxter Drive,
Mangere
Auckland
Tel: +64 975 2666
Mail: info@alumi.co.nz

Alumi Group

BPIR (Building Product Information Requirements)

Alumi Residential Series Windows and Doors



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Alumi Group Ltd.
5C Andrew Baxter Drive,
Mangere
Auckland
Tel: +64 975 2666
Mail: info@alumi.co.nz

1. Product....3
2. Summary of Description of Building Product....3
3. Relevant New Zealand Building Code (NZBC) Clauses....3
3.1 Compliance Statements....4
3.1.1 B1 Structure....4
3.1.2 B2 Durability....4
3.1.3 C4 Movement to Safety....4
3.1.4 D1 Access Routes....4
3.1.5 E2 External Moisture....4
3.1.6 F2 Hazardous Building Materials....4
3.1.7 F4 Safety from Falling....4
3.1.8 G4 Ventilation....4
3.1.9 G7 Natural Light....4
3.1.10 Additional Standards....5
3.2 Warnings and Bans (Section 26, Building Act 2004)....5
4. Scope of Use....5
4.1 Applicable Building Types....5
4.2 Environmental Conditions....5
4.3 Functional Applications....5
4.4 Limitations....6
5. Design Specification....6
6. Installation Requirements....7
7. Maintenance Requirements....7
8. Warranty....8
9. Health and Safety Information....8
10. Contact Details....8

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1. Product

Alumi Residential Series Windows and Doors system manufactured and distributed by Alumi Group Limited.

- Product line: Alumi Residential Series Windows and Doors
- Product class: Designated building product, class 2 (a product line where each unit is customised to the specification of an individual client)
- Product identifier: Each unit is made to order and identified by its Alumi job and order number
- Place of manufacture: Aotearoa New Zealand (Mangere, Auckland)

2. Summary of Description of Building Product

Alumi is a versatile aluminium joinery system engineered for New Zealand conditions. The product line includes:

- Fixed, awning, and casement open-out windows
- Sliding and stacking doors and windows
- Hinged and French doors (open-in and open-out)

These components can be configured into combined systems, such as a sliding door integrated with side awning windows.

3. Relevant New Zealand Building Code (NZBC) Clauses

Alumi aluminium joinery complies with the following NZBC clauses when installed and maintained as per Alumi's instructions:

- B1 Structure – B1.3.1, B1.3.2, B1.3.3 (a, b, h, j), B1.3.4
- B2 Durability – B2.3.1 (b, c)
- C4 Movement to a Place of Safety – C4.3, C4.5
- D1 Access Routes – D1.3.1 (b)
- E2 External Moisture – E2.3.2, E2.3.7
- F2 Hazardous Building Materials – F2.3.1, F2.3.3
- F4 Safety from Falling – F4.3.1
- G4 Ventilation – G4.3.1, G4.3.3
- G7 Natural Light – G7.3.1, G7.3.2

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3.1 Compliance Statements

3.1.1 B1 Structure

Alumi products comply with NZS 4211:2008 for structural integrity, suitable for all wind zones up to High. Glazing is compliant with NZS 4223.3:2016 where human impact resistance is required.

3.1.2 B2 Durability

Durability is assured for at least 15 years in all Exposure Zones except in corrosive microclimates. IGUs conform to NZS 4223.2:2016.

3.1.3 C4 Movement to Safety

Suitable for installation in escape routes as specified by project requirements.

3.1.4 D1 Access Routes

Compliant with access routes where required. Accessibility fittings available.

3.1.5 E2 External Moisture

Compliant with NZS 4211:2008 water penetration testing and suitable for use under Acceptable Solution E2/AS1. Compatible sill support options are available.

3.1.6 F2 Hazardous Building Materials

Safe to handle and compliant with hazardous material requirements per F2/AS1 when installed correctly.

3.1.7 F4 Safety from Falling

Optional restrictors available for compliance with F4/AS1. Suitable for upper-level openings.

3.1.8 G4 Ventilation

Openable sash options available to comply with G4/AS1 for natural ventilation.

3.1.9 G7 Natural Light

Designed to meet G7/AS1 and G7/AS2 standards for natural lighting through size and VLT optimization.

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3.1.10 Additional Standards

Tested and specified to meet the following:

- NZS 4211:2008 (Windows performance)
- NZS 4223 Parts 1–4 (Glazing performance and safety)

3.2 Warnings and Bans (Section 26, Building Act 2004)

Is the building product or building product line subject to a warning or ban under section 26 of the Building Act 2004?

No.

As at 19 October 2026, the Alumi Residential Series Windows and Doors product line is not subject to any warning or ban issued under section 26 of the Building Act 2004. Alumi Group Ltd monitors MBIE's register of warnings and bans, published at building.govt.nz, and will update this statement if that changes.

4. Scope of Use

The Alumi aluminium joinery system is engineered for use in a wide range of building types and applications across New Zealand. It is suitable for the following use cases:

4.1 Applicable Building Types

Residential buildings, including standalone homes, townhouses, duplexes, and multi-unit dwellings

4.2 Environmental Conditions

- Wind Zones: Suitable for all wind zones up to and including High, as defined in NZS 3604:2011
- Exposure Zones: Suitable for all exposure zones except for microclimates with corrosive environments, such as areas affected by:
    - Industrial pollutants
    - Geothermal activity
    - Coastal sites subject to salt spray (use of additional protective measures may be required)

4.3 Functional Applications

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- Providing natural daylight to habitable and working spaces
- Enabling natural ventilation in compliance with NZBC G4
- Allowing for visual connection to outdoor environments
- Offering access and egress where required by NZBC D1 and C4
- Supporting safe occupancy, including fall prevention when required by F4
- Where applicable, contributing to thermal envelope performance under NZBC H1 when combined with suitable IGU options

4.4 Limitations

- Not suitable for buildings over three storeys or 10 metres in height
- Not tested or rated for fire resistance — cannot be used where fire-rated joinery is required
- Not recommended for installation in areas where routine maintenance cannot be performed

5. Design Specification

Alumi is suitable for use in the following typical applications:

- Residential, office, educational, and light commercial projects up to three storeys (or 10 m in height)
- Wind Zones up to and including High, as defined by NZS 3604:2011
- All Exposure Zones, except where industrial or geothermal microclimates are present
- Overall door or window heights up to 3.1 m
- Maximum Insulated Glass Unit (IGU) thickness: 28 mm
- Powdercoated or anodised finish options from Alumi's standard or extended colour range

Joinery designs must comply with NZBC Acceptable Solutions, including:

- E2/AS1 (external moisture)
- F4/AS1 (safety from falling)
- G4/AS1 (ventilation)
- G7/AS1 or G7/AS2 (natural light)

When used in mechanically ventilated or thermally controlled buildings, Alumi joinery achieves an air permeability classification of Class 3 in accordance with NZS 4211:2008.

Custom fabrication is required for each project. The following must be confirmed by the designer/specifier:

- Unit dimensions and wall thicknesses

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- Window/door configuration and opening types
- Wind and exposure zone requirements
- Hardware: restrictors, locks, closers, safety latches
- Finish and colour specification
- Reveal and trim preferences
- Any special detailing, such as cladding interfaces, rebates, thresholds, and drainage considerations

6. Installation Requirements

Correct installation is critical for performance and compliance. Key requirements:

- Store joinery in a clean, dry area before installation
- Inspect all units for damage before installation
- Confirm dimensions and compatibility with framed openings
- Follow approved shop drawings and guidance
- Install level, plumb, and flush to meet MBIE tolerances
- Ensure adequate mechanical fixings are used
- Apply air and weather seals thoroughly as specified
- Check and adjust operational hardware post-installation
- Clear all drain holes of debris to allow water egress

Alumi provides installation support and system-specific guidance upon request.

7. Maintenance Requirements

Routine maintenance is required to preserve function, appearance, and to maintain product warranty coverage:

- External surfaces: Wash every 3 months using warm water and mild detergent. Increase frequency to monthly in coastal or geothermal environments. Rinse cavities and exposed joints thoroughly.
- Drain holes: Clear every 3 months
- Tracks and sills: Clean every 3 months for sliders or bifold units
- Interior surfaces: Dust or clean with damp soft cloth, then dry
- Hardware: Wipe and inspect regularly. Lubricate hinges, rollers, and locks annually.
    - Plated components: Avoid abrasives or detergents. These finishes are not recommended and are excluded from warranty.
- Glass: Clean with proprietary glass cleaner or water + mild detergent. Avoid abrasives and always dry completely to avoid stains or permanent marks
- Powdercoat finishes: Avoid sunscreen residue and chemical contact

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8. Warranty

Alumi products are covered by a 5-year warranty against manufacturing or material defects under normal usage, provided installation and maintenance instructions are followed.

- Finish and hardware warranties may differ and are covered by respective suppliers
- Plated hardware finishes are excluded
- Warranty is void if installed outside of defined wind zone or compliance scope
- Electronic locks are covered by a 1-year warranty

Warranty Registration:
Must be completed within 30 days of the final invoice. Email: support@alumi.co.nz with purchaser name, invoice number, and project address.

9. Health and Safety Information

Safe handling and installation practices must be followed.

Use appropriate PPE during installation (gloves, eye protection).

10. Contact Details

Manufacturer: Alumi Group Ltd (trading as Alumi)
Address: 5C Andrew Baxter Drive, Mangere, Auckland
Website: www.alumi.co.nz
Email: support@alumi.co.nz
Phone: 09 276 8666

NZBN: 9429047997875