

For windows and doors provided by manufacturers of APL Window Solutions operating under the Altherm, First and Vantage brands in New Zealand. Provided in compliance with Building (Building Product Information Requirements), Regulations 2022.

Products

Product names:

- APL Commercial Series 168mm aluminium Structural Glaze curtain wall
- APL Commercial Series 200mm aluminium Structural Glaze curtain wall

Version: V1

Product line: Thermally insulated curtain walls

Product identifier: see product names

Product description: Curtain walls

Composition

Commercial Series ranges are made from:

- Aluminium extrusions
- Polyamide thermal insulating profiles
- Hardware, which may be made from powder coated zinc, stainless steel or aluminium
- Insulated glass units
- Sealants
- Glazing gaskets
- Structural sealants
- Fixings (stainless steel screws and bolts)
- Bracketry (aluminium and steel)
- Accessories may include extruded aluminium head flashings, sill trays or sill support bars and purpose-folded aluminium flashings.

Scope of Use

The APL Commercial Series aluminium curtain walls listed in this document are thermally insulated products suitable for a wide range of commercial settings. They comply with New Zealand Building Code clause H1 Energy Efficiency (all climate zones) when used in conjunction with high performing Low-E double glazing. They include thermal insulators for maximum performance — reinforced polyamide inserts. Products include panelised curtain walling and awning and casement windows.

Compliance with New Zealand Building Code and Relevant Standards

All APL window systems are tested for compliance in the company's IANZ-accredited test booth. Test reports are available.

The ranges listed above under 'Products' have been manufactured and tested to comply with applicable sections of the New Zealand Building Code and in conformity with the New Zealand Standards as listed below:

- Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. Products meet the requirements arising for loads from self-weight, wind and impact, i.e. B1.3.3 (a), (h) and (j)
- Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years, B2.3.1 (c) 5 years and B2.3.2
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. Window and door units conform and contribute to the wall cladding system meeting this requirement. See Paragraphs 14.1-14.4
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1, F2.3.3 (a) and (b)
- Clause F4 SAFETY FROM FALLING: Performance F4.3.1
- Clause G4 VENTILATION: Performance G4.3.1 and G4.3.3
- Clause G7 NATURAL LIGHT: Performance G7.3.1 and G7.3.2
- Clause H1 ENERGY EFFICIENCY: Performance H1.3.1 and H1.3.2E
- NZS 4211: Specification for performance of windows (incl. serviceability, deflection, operation of opening sashes, air infiltration, water penetration, ultimate strength, torsional strength of sashes)
- NZS 4284: Testing of Building Facades (incl. serviceability, deflection, air infiltration, water penetration, ultimate strength, seismic, seal degradation)
- NZS 4223.3: Glazing in buildings - Human impact safety requirements
- NZS 3604: Timber-framed buildings
- Powdercoat or paint systems meet Window & Glass Association NZ Powder Coating Quality Assurance System (PQAS)
- Powdercoatings formulated to meet AS 3715 and AAMA 2605
- Anodised surface finishes meet Window & Glass Association NZ Voluntary Specification SFA 3503-03:2005, Specification for Anodic Oxide Coatings on Wrought Aluminium for External Architectural Applications.

Supporting Documentation

Additional documentation and technical information is available in support of the above statements at the links below:

information on warranty provisions and installation can be found at these links:

* Warranty provisions and maintenance guidelines:

https://issuu.com/aplnz/docs/care_maintenance_altherm__agp

* Installation guidelines

The commercial curtain walls covered by this document generally require specialised, site-specific installation. These products are installed by qualified technicians who ensure compliance with Building Code Clause B1 Structure and Clause E2 External Moisture.

Contact Details

Manufacture location: New Zealand

Legal and trading name of manufacturer: Architectural Profiles Ltd (also known as APL Window Solutions)

Manufacturer address for service: 19 Northpark Drive, Hamilton 3200

Manufacturer website: aplnz.co.nz

Manufacturer email: apl.techinfo@aplnz.co.nz

Manufacturer phone number: 07 849 2113

Manufacturer NZBN: 9429040093352

Warnings and Bans

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

Yes

No