

Juralco® Contemporary Balustrade System

BPIR Declaration Version 05-24 v1

Designated building product Class 2

Declaration

Juralco Aluminium Building Products Ltd trading as Juralco has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

| | |
|-------------------|---|
| Name | Juralco® Contemporary Balustrade System |
| Line | - |
| Identifier | - |

Description

The Juralco Contemporary Balustrade System combines a welded Aluminium infill frame fixed between aluminium Posts. This system is ideal for use on retaining walls and other outdoor applications where safety from falling (F4) is required by the NZ Building Code. Attaching a Handrail enables it to be used on stairs.

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Scope of use

Juralco® Contemporary Balustrade

- Complies With AS/NZS 1170:2002
- NZ Building Code B1, B2, F2, F4 and F9
- For Residential Occupancy Types A, A Other and C3

Conditions of use

- Only extrusions, components and hardware supplied by or specified by JABP may be used in the Juralco Contemporary System.
- Aluminium extrusions, components, and hardware – unless specified are manufactured to 6060 T5 specifications.
- Stainless Steel components, hardware, fixings – all components to 316 grade.
- The Juralco Contemporary Balustrade System must only be installed in accordance with the Juralco Contemporary Balustrade System manual.
- Any deviation from that specified in the Juralco Contemporary Balustrade manual must only be in accordance with the site-specific PS1 and with site-specific calculations and drawings listing the non-standard details.
- The Juralco Contemporary Balustrade System must only be fabricated/installed by a Juralco approved fabricator
- Upon completion of the installation the fabricator must supply the owner with a PS3 (Construction)

Relevant building code clauses

| | | |
|-----------|--|--|
| B1 | Structure | B1.3.1, B1.3.2, B1.3.3 (c, f, h, j, m), B1.3.4 |
| B2 | Durability | B2.3.1 (a), B2.3.2 (a, b) |
| D1 | Access Routes | D1.3.3 (j, k) |
| F2 | Hazardous building materials | 2.3.1, F2.3.3 |
| F4 | Safety from falling | F4.3.1 |
| F9 | Means of restricting access to residential pools | 9.3.1, F9.3.3 |

Contributions to compliance

NZBC Compliance

- The Juralco Contemporary Balustrade System has been reviewed by Lautrec Technology Group Ltd to demonstrate compliance with the structural requirements of the New Zealand Building Code and AS/NZS 1170: 2002 occupancy A, A Other and C3, NZS 3604 Low, Medium, High, Very High and Extra High Wind Zones
- The Structural Engineering design includes the requirements of B1 Structure, B2 Durability, F2 Hazardous material, and F4 Safety from falling, all from the Building Code
- Verification Method B1 / VM1, B2/AS1, F4 / AS1

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Supporting documentation

The following additional documentation supports the above statements:

| | | |
|---|-----------------|--|
| BA Contemporary Balustrades Manual | 05-24v1 | www.juralco.co.nz/assets/Uploads/Eboss/BA-Contemporary-Balustrade-5-24-v1.pdf |
| Producer Statement Request | 05-24v1 | https://ps1.juralco.co.nz/ |
| Juralco Warranty | 2 December 2024 | www.juralco.co.nz/assets/Juralco-Warranty-Sheet-2022.pdf |

For further information supporting Juralco® Contemporary Balustrade System claims refer to our website.

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Contact details

| | |
|--|--|
| Manufacture location | New Zealand |
| Legal and trading name of manufacturer | Juralco Aluminium Building Products Ltd trading as Juralco |
| Manufacturer address for service | 48 Bruce McLaren Rd, Henderson, Auckland 0612 |
| Manufacturer website | www.juralco.co.nz |
| Manufacturer email | specify@juralco.co.nz |
| Manufacturer phone number | 0508 880 088 |
| Manufacturer NZBN | 9429037383664 |

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore, to the best of my knowledge, correct.

I can also confirm that the Juralco® Contemporary Balustrade System is not subject to a warning on ban under s26 of the Building Act.

Signed for and on behalf of **Juralco Aluminium Building Products Ltd trading as Juralco:**

Grant Boyce

Grant Boyce

Director

December 2024

JURALCO ALUMINIUM BUILDING PRODUCTS LTD TRADING AS JURALCO

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Appendix

BPIR Ready selections

Category: Balustrades systems

| | Yes | No |
|--|-----|----|
| Use as pool fencing | X | |
| Provides an accessible handrail | X | |
| Use of glass or other brittle material | X | |

Building code performance clauses

B1 Structure

B1.3.1

Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction or alteration* and throughout their lives.

B1.3.2

Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction or alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements and sitework*, including:

- (c) temperature
- (f) earthquake
- (h) wind
- (j) impact
- (m) differential movement

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the building,
- c. effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of buildings.

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B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- the life of the building, being not less than 50 years, if: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

B2.3.2

Individual *building elements* which are components of a *building system* and are difficult to access or replace must either:

- all have the same durability
- be installed in a manner that permits the replacement of building elements of lesser durability without removing building elements that have greater durability and are not specifically designed for removal and replacement

D1 Access Routes

D1.3.3

Access routes shall:

- (j) Have smooth, reachable, and graspable handrails to provide support and to assist with movement along a stair or barrier
- (k) have handrails of adequate strength and rigidity as required by Clause B1 Structure

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation, or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

F2.3.3

Glass or other brittle materials with which people are likely to come into contact shall:

- a. if broken on impact, break in a way which is unlikely to cause injury or
- b. resist a reasonably foreseeable impact without breaking, or
- c. be protected from impact.

F4 Safety from falling

F4.3.1

Where people could fall 1 metre or more from an opening in the external envelope or floor of a *building*, or from a sudden change of level within or associated with a *building*, a barrier shall be provided.

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F9 Means of restricting access to residential pools

F9.3.1

Residential pools must have or be provided with physical barriers that restrict access to the pool or the *immediate pool* area by unsupervised young children (i.e., under 5 years of age).

F9.3.3

A barrier surrounding a *pool* must have no permanent objects or projections on the outside that could assist children in negotiating the barrier. Any gates must

- a. open away from the pool; and
- b. not be able to be readily opened by children; and
- c. automatically return to the closed position after use.