

Juralco Contemporary Balustrade System

BPIR Declaration

Version: 7-22 v3

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.

Scope of use

The installation manual details the documents the Juralco Contemporary Balustrade System refers to in relation to the New Zealand Building Code, the manufacturer's documents, products used in the System, and requirements in relation to fixing and surface finishing.

Contemporary Balustrade is suitable for residential applications up to 1300mm high and has been primarily designed for retaining walls where a balustrade is required (a fall of over 1m).

Pre-made 1200mm high panels are cut to the required lengths, with a maximum post centre of 1480mm for straight panels and 1500mm centres for raking panels at 11°. Balustrades can be top-mounted or face-fixed.

Contemporary balustrades are suitable for Occupancy A, A Other and C3 Residential.

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).
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Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (f, h, j), 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 — F2.3.1

F4 Safety from falling — F4.3.1

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

Supporting documentation

The following additional documentation supports the above statements:

BA Contemporary Balustrade	7-22 v3	https://www.juralco.co.nz/assets/Uploads/Eboss/BA-Contemporary-Balustrade-7-22-v3.pdf
Producer Statement Request	7-22 v3	https://ps1.juralco.co.nz/
Warranty	11 December 2023	https://www.juralco.co.nz/assets/Files/Juralco-Warranty-Sheet-JUN-2021.pdf

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

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	https://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 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**:

Andrew White

Andrew White
DIRECTOR
December 2023

JURALCO ALUMINIUM BUILDING PRODUCTS LTD TRADING AS JURALCO:
48 Bruce McLaren, Henderson, Auckland, 0612, New Zealand
09 478 8018 | <https://www.juralco.co.nz/>

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:

- (f) earthquake
- (h) wind
- (j) impact

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*.

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:

- (a) 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:

- (a) all have the same durability
- (b) 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.

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.