

Juralco® SunFold® Outdoor Living System

BPIR Declaration Version 03-24 v5

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® SunFold® Balustrade System
Line	-
Identifier	-

Description

The Juralco® SunFold® Outdoor Living System is a solution for extra outdoor shelter for your home. The high-quality extruded aluminium structure and louvres can be custom powder coated in a colour of your choice. The motorised ceiling louvres, when closed form a more weatherproof seal. They can also be retracted for you to enjoy the full sky. The structure can be added to, with drop-down screens, aluminium sliding screens or sliding Glass doors on a side or all sides.

Juralco® SunFold® Outdoor Living System



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Scope of use

Juralco® SunFold® Outdoor Living System

- Juralco® SunFold® opening louvre roofs are a permanent outdoor living system providing weather protection in a range of outdoor areas including patios, decks, extended courtyards, pool areas, cafe and bar courtyards, outdoor shopping areas etc.
- The Juralco® SunFold® Outdoor Living System is wholly manufactured by Juralco and supplied as a kitset. All are pre-manufactured, assembled and tested in the factory before disassembly, packing and dispatch. All assembled on site - no need for heavy lifting
- The installation manual details the documents the Juralco® SunFold® Outdoor Living 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 finishes
- Juralco® SunFold® Outdoor Living system configurations and sizes are affected by Wind Zone restrictions. For clarification refer to Configurations in the installer manual

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Juralco® SunFold® Outdoor Living System is built from the following sub-systems:

- Louvres. One type only. Pivot pin at one end; designed to provide a more weatherproof seal when closed. Motorised only Retracting to either end to open to the sky. Options to retract to LH or RH ends.
- Posts. These are a two-part post, with inner Stainless-Steel angles top and bottom. At ground level, they can be connected to foundations in a variety of ways, including a hidden base plate. Hidden drainage down pipe in one Post per Bay
- Beams. Containing all the pivots for Louvre retraction and the Motor actuator All these beams are of two types, depending on Wall attachments or corner Posts. All beams have a hidden drainage channel on all sides to catch rain.
- Drop-down Screens. Screens from the SolarZip® range can be completely hidden inside the Frames thus making this a very useable extra all-weather space.
- Sliding Glass Doors. From the Glaslide range of 10, 12 or 15mm Glass panels. Refer to the 'Glaslide Sliding Glass Doors' Manual
- For larger installations multi-bay set out is possible.
- LED lighting can be incorporated in the Top Frame.

The Juralco SunFold® Outdoor Living System is wholly manufactured by Juralco and supplied as a kitset. All assembled on site Reducing need for heavy lifting

Juralco® SunFold® Outdoor Living System



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Conditions of use

- Scope - This specification details the documents the Juralco SunFold® Outdoor Living System refers to in relation to the New Zealand Building Code, the manufacturer's documents, products used in the System, requirements in relation to fixing and surface finishes
- Manufacturer's Documents - The Juralco SunFold® Outdoor Living System manual details all extrusions and components used for the fabrication and installation/fixing of the system. - Manuals are available from Juralco Aluminium Building Products Ltd 48 Bruce McLaren Rd, Henderson, Auckland Phone 09 478 8018 Fax 09 478 7883 Email specify@juralco.co.nz
- Products - Only extrusions, components and hardware supplied by or specified by JABP may be used in the SunFold® Outdoor Living System - Stainless Steel components, hardware, fixings – all components to 316 grade or 304
- Surface Finishing - Juralco Aluminium Building Products Ltd is a Dulux Registered Applicator site, registration number 2101. JABP uses only Dulux branded powder coating materials - Dulux Duralloy® powder coating systems are suitable for properties greater than 100m from high tide level AAMA 2603 performance. Residential buildings, 3 levels max. Warranty 10 yrs - Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level. AAMA 2603 performance. Residential and Light commercial buildings, 3 levels max Warranty 15 yrs - Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level AAMA2603 and 2604 performance. All Residential and Commercial buildings. Warranty 25 yrs
- Installation and Fixing - The Juralco SunFold® Outdoor Living System must only be installed in accordance with the Juralco SunFold® Outdoor Living System manual - The SunFold® system Structure and Footings are based on NZS 3604:2011 and NZS 1170 Appendix D, Wind Zone calculations

Juralco SunFold Living Systems – Structural

Typical Post Fixings to Timber Decks Complies with NZS3604:2011 - Double Boundary Joists.

NOTE: Important Installation notes:

- 1 - The Project Engineer must ensure the structure can support the appropriate loads
- 2 - Substructure shown indicatively only.
- 3 - Timber SG8 minimum strength
- 4 - All Fixings must be Stainless steel

Relevant building code clauses

B1	Structure	B1.3.1, B1.3.2, B1.3.3 (c, f, h, j, m), B1.3.4
F2	Hazardous building materials	2.3.1, F2.3.3

Juralco® SunFold® Outdoor Living System



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Contributions to compliance

NZBC Compliance

- The Juralco® SunFold® Outdoor Living System has been reviewed by Lautrec Technology Group Ltd to demonstrate compliance with the structural requirements of the New Zealand Building Code and B1/VM1: NZS 1170: 2021, NZS 1664.1:1997; NZS AS 1720.1:2022; NZS 3101:2006, NZS 3404:1997; NZS 4223.3:2016;
- NZS 4223.4:2008
- Designed and manufactured in New Zealand, Juralco® SunFold® Louvre Roof Systems have been engineered and tested by independent engineers to comply with NZS3604:2011 wind zone and snow loading calculations
- Compliance Documents issued by the Ministry of Business, Innovation & Employment
- Juralco has supplied Engineered calculations for the attachment of the Juralco® SunFold® Outdoor Living System systems to the ground, timber decks, walls, and soffits, all conforming to NZS1170, Appendix D
- While Juralco has calculated the uplift forces involved with differing connections to differing areas and wind zones Juralco can only guarantee the suitability of the Initial connection. All subsequent connections and strengthening to a structure are the clear responsibility of the builder/ installer. The Concrete foundation calculations do however conform to NZS 1170 Appendix D and can be used with safety

Supporting documentation

The following additional documentation supports the above statements:

SH SunFold Outdoor Living System	3-24 v5	www.juralco.co.nz/assets/Uploads/resources/SH-SunFold-Outdoor-Living-System-3-24-v5.pdf
Producer Statement Request	3-24 v5	https://ps1.juralco.co.nz/
Juralco Warranty	30 November 2024	www.juralco.co.nz/assets/Juralco-Warranty-Sheet-2022.pdf

For further information supporting Juralco® SunFold Outdoor Living System claims refer to our website.

Juralco® SunFold® Outdoor Living System



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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® SunFold® Outdoor Living 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

November 2024

JURALCO ALUMINIUM BUILDING PRODUCTS LTD TRADING AS JURALCO

48 Bruce McLaren Rd, Henderson, Auckland, 0612, New Zealand

09 478 8018

www.juralco.co.nz

Appendix

BPIR Ready selections

Category: Other (Custom)

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.

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.

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.