

Edge Aluminium Post & Glass/Baluster Balustrade

Product Technical Statement: 109287

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Edge is an aluminium post balustrade system, with glass or baluster options, for domestic settings

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Edge Aluminium Post & Glass/Baluster confirms that this minimum level of assurance has been met or exceeded by the following:

Nancekivell Cairn (2017) Ltd

[Producer Statement \(PS1\)](#)

Technical Statement

Product Description

Juralco Edge is a cantilevered aluminium post balustrade system for domestic and residential applications, where a barrier is required. The system consists of aluminium posts and either no rail, an interlinking rail, handrail, handrail and split rails or a handrail and bottom rail. Edge balustrade glass infill is either 6mm, 8mm or 10mm toughened safety glass, either fully framed (6mm) or semi-frameless (8mm or 10mm), with handrails top or side mounted. Semi-frameless with no top rail is achieved with 13.2mm toughened laminated glass. Aluminium baluster is 17mm square or 60mm & 123mm slat - which can be fitted vertically or horizontally.

Prefabricated and custom made, Edge balustrade can be top or face fixed (hidden face fixings available), with a gutter bracket for installations on waterproof decks.

Handrails: Round, Rectangular, Aerofoil - single or twin pocket, or Interlinking rail can be incorporated as a top rail or standalone handrail. A top protection cap is also available for laminated glass infill.

Powder coated in NZ with Dulux Duralloy finish or Duratec where AAMA 2604 performance is required.

Scope of use

Juralco Edge Balustrade is suitable for Domestic and Residential deck and balcony barriers, stairways, handrails, pool fencing and matching pool or stairway gates.

Edge Balustrade must only be installed in accordance with the Edge product manual. Any deviation from standard fabrication or installation must be accompanied by a site specific PS1.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.4(a)
- **Clause B2 Durability:** Performance B2.3.1(a)
- **Clause F2 Hazardous building materials:** Performance F2.3.3(a), F2.3.3(b)
- **Clause F4 Safety from falling:** Performance F4.3.1, F4.3.2, F4.3.3, F4.3.4(a), F4.3.4(b), F4.3.4(c), F4.3.4(d), F4.3.4(e), F4.3.4(f), F4.3.4(g), F4.3.4(h), F4.3.5(a), F4.3.5(b)

Notes

AS/NZS 1170:2002

NZS 4223.3:2016

NZS3603

AS/NZS 1664

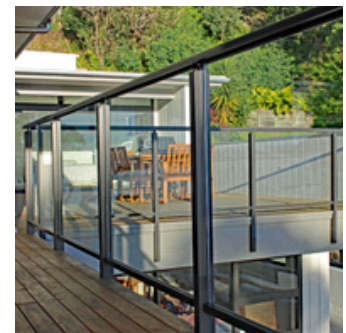
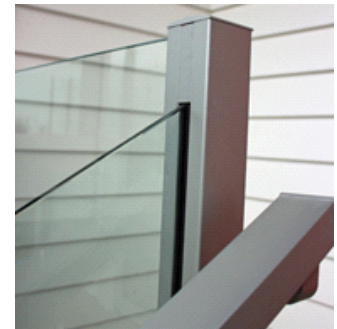
AS/NZS 2208

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Nancekivell Cairn (2017) Ltd

[Producer Statement \(PS1\)](#)



masterspec partner

Company Contact Details



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Product Criteria

Design requirements

Refer to Juralco Edge Balustrade specification and fabricators manual for design parameters and tables of maximum spans for wind zone from Low to Very High.

This specification details the documents the Juralco Edge Balustrade 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 finishings.

Installation requirements

Juralco Edge Balustrade must only be installed in accordance with the Juralco Edge Balustrade System manual. Any deviation from that specified in the Edge balustrade manual must only be in accordance with the site specific PS1, with site specific calculations and drawings listing the non standard details.

The Juralco Edge Balustrade System must only be fabricated/installed by a Juralco approved fabricator.

Warrantees

Juralco Edge balustrade is warranted for 5 years. Dulux powder coating warranty is 10 years for Duralloy and 20 years for Duratec (surface integrity).

<https://www.juralcobalustrades.co.nz/warranty/>

Company Product Information

Relationships



New Zealand Made



Date last validated: **27 August 2019**



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