

BPIR DECLARATION

Version 1.0 December 2023



COMPANY DETAILS

Name: Monkeytoe Ltd
Role: Manufacturer & Supplier
NZBN: 9429033967882
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Website: <https://www.monkeytoe.co.nz/>
Email: sales@monkeytoegroup.com
Phone: 0800 454 808

PRODUCT DETAILS

Building Product Class	2
Product name/line	Monkeytoe XBeam Platform
Product Identifier	X-Beam, X-Beam Platform

PRODUCT DESCRIPTION

Monkeytoe Xbeam system is a revolutionary lightweight configurable beam system that is part of the Modular Xbeam platform system.

SCOPE OF USE

- Rooftop mounting of large air-conditioning, refrigeration and ventilation plants.
- Internal raised access service platforms
- Ground mounted Mechanical platforms

CONDITIONS OF USE

- Site-specific design in accordance with AS/NZS1170 and AS/NZS1664.1-1997
- Connecting access systems such as stairs or ladders must comply to NZBC or AS 1657

- Handrails to be added complying to F4 or AS 1657 under the following conditions:
 - There is no permanent structure within 100 mm of the edge, a fall/step of greater than 300 mm .

Must be installed by an approved installer and maintained as per Monkeytoe product guides, warranty and maintenance documentation.

ASSOCIATED PRODUCTS

Walkway Systems
Platform Systems
Hushmonkey
louvres
Stair Systems

RELEVANT BUILDING CODE CLAUSES

B1 Structure: 2, 3.1-3.4a, b, c, d, e
B2 Durability: 3.1a, b, c
D1 Access Routes: 3.1c, 3.3a, b, c, d, i, j, k, l, m
F2 Hazardous building materials:
F4 Safety from Falling: 3.1, 3.4a, b, c, d, e, f, g, h

CONTRIBUTIONS TO COMPLIANCE

- B1: Designed to the following Standards:
 - AS/NZS1170.1-2002
 - AS/NZS 1170.2-2021
 - As/NZS 1170.5-2004
 - AS/NZS1664.1-1997
 - AS/NZS1665-2004
 - AS1657-2013, where applicable F4/AS1 2017 takes precedence over this standard
- B1: Manufactured to the following standards:
 - AS/NZS 1886- 1997
 - AS1665-2004
 - AS1657-2013 TBC

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- B2: Monkeytoe products have a proof of durability as per B2/VM1 with testing and in-service history and similar materials. For more information see the document B2 DURABILITY FOR EXTERNAL ALUMINUM STRUCTURES ON BUILDINGS.
- F2: This product contains no hazardous materials
- F4: Monkeytoe X-Beam Platforms meet the F4/AS1 1.2.2 Acceptable solution by having no less than 460 mm vertically between longitudinal rails.

SUPPORTING DOCUMENTATION

The following documentation supports the above statements:

Title (Type)	Version, Date	Date
B2 DURABILITY FOR EXTERNAL ALUMINUM STRUCTURES ON BUILDINGS	2.1	17/11/2023
X-Beam Platform Spec Sheet	3509-SPEC-01	28/03/2020

Contact Customer Service sales@monkeytoegroup.com or 0800 454 808 for a copy of the above documents

FOR FURTHER INFORMATION

For all design, installation and maintenance related information please refer to: www.monkeytoe.co.nz.

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person 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 Monkeytoe Ltd products are not subject to a ban under s26 of the Building Act.

Signed for and on behalf of **Monkeytoe Ltd:**

Jamieson Prestidge

Job Role: Technical Consultant

Date 20/11/2023

Jamieson Prestidge

APPENDIX

Building code performance clauses

All relevant building code performance clauses listed in this document:

B1 Structure

B1.2

Buildings, building elements and sitework shall withstand the combination of loads that they are likely to experience during construction or alteration and throughout their lives.

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:

- (a) self-weight,
- (b) imposed gravity loads arising from use,
- (c) temperature,
- (d) earth pressure,
- (e) water and other liquids,
- (f) earthquake,
- (g) snow,
- (h) wind,
- (i) fire,
- (j) impact,
- (k) explosion,
- (l) reversing or fluctuating effects,
- (m) differential movement,
- (n) vegetation,
- (o) adverse effects due to insufficient separation from other buildings,
- (p) influence of equipment, services, non-structural elements and contents,
- (q) time dependent effects including creep and shrinkage, and
- (r) removal of support.

B1.3.4

Due allowance 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:

(i) those *building elements* (including floors, walls, and fixings) provide structural stability to the *building*, or

(ii) those *building elements* are difficult to access or replace, or

(iii) failure of those *building elements* to comply with the *building code* would go undetected during both normal use and maintenance of the *building*.

(b) 15 years if:

(i) those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or

(ii) failure of those building elements to comply with the building code would go undetected during normal use of the building but would be easily detected during normal maintenance.

(c) 5 years if:

(i) the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and

(ii) failure of those building elements to comply with the building code would be easily detected during normal use of the building.

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.

F4.3.4

(a) be continuous and extend for the full extent of the hazard,

(b) be of appropriate height,

(c) be constructed with *adequate* rigidity,

(d) be of *adequate* strength to withstand the foreseeable impact of people and, where appropriate, the static pressure of people pressing against them,

(e) be constructed to prevent people from falling through them, and

(f) *[Revoked]*

(g) restrict the passage of children under 6 years of age when provided to guard a change of level in areas likely to be frequented by them.

(h) be constructed so that they are not readily able to be used as seats.