

BPIR DECLARATION

Version 1.0 December 2023



COMPANY DETAILS

Name: Monkeytoe Ltd
Role: Manufacturer & Supplier
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PRODUCT DETAILS

Building Product Class	1
Product name/line	Smartwalk Walkway
Product Identifier	Roof Mounted Walkway

PRODUCT DESCRIPTION

High tensile Aluminium walkway incorporating an Amplimesh deck welded into edge bearer extrusions forming a modular walkway. Compatible with connecting Handrails, ladder and stair systems by Monkeytoe

SCOPE OF USE

- Access across any roof top on commercial or industrial building/plant (Steel, membrane, concrete or timber roof)
- Infill modules for riser shafts
- Bridge walkways
- Access over skylights
- Access routes through industrial plants
- Spanning bund edges

CONDITIONS OF USE

- Fixed to Roofing Surfaces with Monkeytoe Roof Clip systems - See Associated Products.
- Up to 2.5kPa UDL as per 1657- max supports @1200 mm
- Up to 1kPa UDL @ 3000 mm supports
- Up to 20 degrees (in the direction of travel)
- Up to 7 degrees (cross slope/perpendicular to travel direction)
- Connecting access systems such as stairs or ladders must comply to NZBC or AS 1657
- Handrails (see associated products or hyperlink) 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
 - Areas of the roof or other surface that are not suitable for walking on e.g skylights (alternatively these can also be covered in a suitable mesh adjacent to the walkway)
 - Angle of the roof slope is greater than 12 degrees

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

ASSOCIATED PRODUCTS

Roof Clips

Ladder Systems

Handrail Systems

Stair systems

RELEVANT BUILDING CODE CLAUSES

B1 Structure: 3.1-3.4

B2 Durability: 3.1b, c, 3.2b

D1 Access Routes: 3.1c, 3.3a, b, c, d, i, j, k, l, m

F2 Hazardous building materials:

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
- B1: Manufactured to the following standards:
 - AS/NZS 1886- 1997
 - AS1665-2004
- D1:Monkeytoe Smartwalk walkways are designed and tested against AS 1657:2013 which is an acceptable solution as per D1 11.0.1 D1/AS1 Amendment 6, 2017.
- B2: Monketoe 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

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
2003-PS1-B-1-10/02/2017	1	08/07/2022
Smartwalk Spec Sheet		
Smartwalk Install Guide	2004-MSW-I-01	21/06/2019
Smartwalk Standard Drawing	2004-MSW-NL-01	01/05/2018

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

B1.3.1

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:

- (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.

D1 Access Routes

D1.3.1

Access routes shall enable people to:

- (c) move into spaces within buildings by such means as corridors, doors, stairs, ramps and lifts,

D1.3.3

Access routes shall:

- (a) have adequate activity space,
- (b) be free from dangerous obstructions and from any projections likely to cause an obstruction,
- (c) have a safe cross fall, and safe slope in the direction of travel,
- (d) have adequate slip-resistant walking surfaces under all conditions of normal use,
- (e) include stairs to allow access to upper floors irrespective of whether an escalator or lift has been provided,
- (f) have stair treads, and ladder treads or rungs which:
 - (i) provide adequate footing, and
 - (ii) not contain isolated steps,
- (j) have smooth, reachable and graspable handrails to provide support and to assist with movement along a stair or ladder,
- (k) have handrails of adequate strength and rigidity as required by Clause B1 Structure,
- (l) have landings of appropriate dimensions and at appropriate intervals along a stair or ramp to prevent undue fatigue,
- (m) have landings of appropriate dimensions where a door opens from or onto a stair, ramp or ladder so that the door does not create a hazard, and

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.

