

# Moddex Ezibilt Ramp & Stair BPIR Declaration

Version: v1

**Designated building product:** Class 2

## **Declaration:**

Moddex has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

## **Product/system**

**Name:** Moddex Ezibilt Ramp & Stair System

## **Description**

The Ezibilt™ Stair, Ramp & Deck System is the ultimate pre-engineered, offsite manufactured solution for fast-tracked and compliant construction of accessibility stairs, ramps and decks.

Versatile for various applications, from commercial buildings to public spaces, Ezibilt is designed for long-lasting performance and durability.

Ezibilt is manufactured off-site and installable with simple tools to achieve compliance to council regulations. It is supplied in modules which interconnect, allowing for any number of configurations to take care of all your access requirements on any site.

Coupled with our comprehensive BIM content library, architects, engineers, and designers can streamline their design processes by accessing pre-engineered components, precise measurements and material specifications directly within their design software with just a few clicks.



The Ezibilt system is designed to provide safe and compliant access for individuals with disabilities and mobility challenges, while also being built to withstand the wear and tear of daily use. With a focus on ease of installation, the Moddex Ezibilt solution offers a reliable and cost-effective solution for ramp and stair design that meets all expectations for performance, safety, and compliance.

## Scope of use

Moddex Ezibilt Ramp & Stair systems provide a safe and convenient access to buildings for the public and people with disabilities.

Applications include:

- Permanent ramp, deck and stair applications on all construction sites.
- Schools
- Portable buildings
- Container houses
- Mini houses
- Fire escape platforms and stairs
- Portacomms
- Site offices
- Roading site village access applications
- Disability access for post injury applications.
- Parks, gardens outdoor huts, walking tracks and viewing platforms

## Conditions of use

The Moddex Ezibilt System must be installed to a substrate (as designed by others) that is able to resist the applied loads. Ezibilt systems must be installed by an accredited Moddex Installer as per the Moddex Installation Guide.

The proposed ramp structure is limited to a maximum height of 0.6m above finished ground level for non-braced posts. The proposed ramp structure is limited to a maximum height of 2.0m above finished ground level for braced posts.

Not designed or manufactured to be used as a vehicle ramp or vehicle access.



## Relevant building code clauses

- B1 Structure
- D1 Access Routes
- NZS 4121:2001

## Contributions to compliance

In New Zealand, ramp and stair access is regulated by the Building Code, which sets out specific requirements for the design, construction, and installation of ramps and stairs in buildings and public spaces.<sup>4</sup>

In addition to the Building Code, the Accessibility Standard NZS 4121:2001 provides guidance on accessibility requirements for people with disabilities. This standard specifies criteria for the design of ramps and stairs to ensure that they are safe and accessible for people with a range of mobility impairments. Moddex Ezibilt Ramp & Stair systems have been designed, tested and manufactured in accordance to these standards, aligning with the following requirements:

- The approach to a ramp shall be level and allow for adequate visibility and wheelchair turning space.
- The maximum gradient of a ramp other than a kerb or step ramp shall be 1 in 12.
- The clear width of a ramp shall be not less than 1200mm.
- Ramps require level platforms or landings at the top and bottom, wherever there is a change in direction, where doors open off them and at intervals not exceeding 9000mm.
- Landings shall have a minimum dimension of 1200mm.
- The surfaces of footpaths, ramps and landings on accessible routes shall be slip-resistant with texture that is usable by all people with disabilities. Loose gravel or clay surfaces are not acceptable.
- Accessible ramps shall have an upstand no less than 75mm in height on any drop-off side of a ramp.



**B1 Structure:** The required design load for ramps varies depending on the use and occupancy of the building or public space. For example, the Building Code requires a minimum design load of 2.5 kN/m<sup>2</sup> for ramps in residential buildings, while ramps in public spaces must be designed for a minimum load of 5 kN/m<sup>2</sup>. The Moddex Ezibilt ramp and stair solution is designed to meet these load requirements, with a maximum load capacity of 5 kN/m<sup>2</sup>. This means that the Ezibilt system is suitable for use in a variety of settings and applications, including high-traffic public spaces and industrial settings, where heavy equipment and machinery may need to be transported up and down ramps.

## Supporting documentation

The following additional documentation supports the above statements:

### **Ezibilt Installation Guide (Installation) Version 01**

[https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/MDX\\_Ezibilt%20Install%20Guide\\_24102023.pdf](https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/MDX_Ezibilt%20Install%20Guide_24102023.pdf)

### **Moddex Care and Maintenance Manual (Maintenance) September 2023**

[https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/Moddex\\_Care%20&%20Maintenance%20Manual.pdf](https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/Moddex_Care%20&%20Maintenance%20Manual.pdf)

### **Ezibilt Specification Sheet - 2023**

[https://moddex.com/wp-content/uploads/pdf-sheet/MDX\\_Specifications%20Doc\\_Ezibilt.pdf](https://moddex.com/wp-content/uploads/pdf-sheet/MDX_Specifications%20Doc_Ezibilt.pdf)

For further information supporting Moddex Ezibilt Ramp & Stair System claims refer to our website - [www.moddex.com](http://www.moddex.com)



## Contact details

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