

# Moddex Bridgerail Barriers

## 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 Bridgerail Barriers

#### Identifier:

- BR10 - NZTA Bridge Manual B6.4 compliant offset cycle rail
- BR20 - NZTA Bridge Manual B6.4 Compliant Balustrade
- BR20M - NZTA Bridge Manual B6.4 Compliant Mesh Balustrade
- BR40 - NZTA Bridge Manual B6.4 Compliant balustrade with a smooth deflection rail.
- BR45 - NZTA Bridge Manual B6.4 Compliant balustrade with an offset handrail and a smooth deflection rail.

### Description

Moddex proprietary Bridgerail systems ensure balustrades on bridges can be specified and fitted effortlessly, with compliance guaranteed. This product is perfectly suited to public access areas forming part of road, rail or other elevated bridge structures.

Moddex has created this unique Bridgerail system to comply with AS/NZS 5100.2 Clause 12.5 and the NZTA Bridge Manual Compliant to Clause B6.4.



## Scope of use

Moddex Bridgerail Systems are perfectly suited to public access areas forming part of road, rail or other elevated bridge structures. Designed for use as a barrier in pedestrian, cyclist and equestrian areas such as elevated structures & walkways, trackside and shared paths.

Designed to meet the stringent design loads and requirements for road, rail, pedestrian and cyclist path barriers where pedestrians could be present.

## Conditions of use

The Moddex Bridgerail System must be installed to a substrate (as designed by others) that is able to resist the applied loads.

Bridgerail systems must be installed by an accredited Moddex Installer as per the Moddex Installation Guide and a site-specific PS1 (Producer Statement).

Not suitable for use on roads or public transport areas where the barrier is required to meet car loading requirements.

Not suitable for use where the road controlling authority requires the barrier to restrain crowds or people under panic conditions.

## Relevant building code clauses

- Waka Kotahi (NZTA) Bridge Manual; Clause B6.4\*



## Contributions to compliance

Moddex Bridgerail Barriers are designed and manufactured to requirements of B6.4 Pedestrian, cyclist and equestrian barriers\*, and are designed for the most extreme of the following loads:

- a. horizontal and vertical service loads of 1.75kN/m applied to the top rail
- b. a horizontal service load of 1.5kN/m<sup>2</sup> applied to the gross area of the barrier
- c. a point load of 0.5kN in any direction at any point

\*Excluding where the road controlling authority requires the barrier to restrain crowds or people under panic conditions.

## Supporting documentation

The following additional documentation supports the above statements:

### **Moddex Installation Guide (Installation) May 2021**

[https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/NZ\\_Moddex\\_InstallGuide\\_Update\\_May2021\\_90254\\_M2.pdf](https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/NZ_Moddex_InstallGuide_Update_May2021_90254_M2.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)

### **BR10 Specification Sheet (Design)**

[https://moddex.com/wp-content/uploads/pdf-sheet/MDX\\_Specifications%20Doc\\_Bridgerail%20BR10.pdf](https://moddex.com/wp-content/uploads/pdf-sheet/MDX_Specifications%20Doc_Bridgerail%20BR10.pdf)

### **BR20 Specification Sheet (Design)**

[https://moddex.com/wp-content/uploads/pdf-sheet/MDX\\_Specifications%20Doc\\_Bridgerail%20BR20.pdf](https://moddex.com/wp-content/uploads/pdf-sheet/MDX_Specifications%20Doc_Bridgerail%20BR20.pdf)

### **BR20M Specification Sheet (Design)**

[https://moddex.com/wp-content/uploads/pdf-sheet/MDX\\_Specifications%20Doc\\_Bridgerail%20BR20M.pdf](https://moddex.com/wp-content/uploads/pdf-sheet/MDX_Specifications%20Doc_Bridgerail%20BR20M.pdf)



**BR40 Specification Sheet (Design)**

[https://moddex.com/wp-content/uploads/pdf-sheet/MDX\\_Specifications%20Doc\\_Bridgerail\\_BR40.pdf](https://moddex.com/wp-content/uploads/pdf-sheet/MDX_Specifications%20Doc_Bridgerail_BR40.pdf)

**BR45 Specification Sheet (Design)**

[https://moddex.com/wp-content/uploads/pdf-sheet/MDX\\_Specifications%20Doc\\_Bridgerail\\_BR45.pdf](https://moddex.com/wp-content/uploads/pdf-sheet/MDX_Specifications%20Doc_Bridgerail_BR45.pdf)

For further information supporting Moddex Bridgerail Barriers claims refer to our website - [www.moddex.com](http://www.moddex.com)



## Contact details

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