

# Moddex Assistrail Handrails 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 Assistrail Handrails

### **Identifier:**

Moddex Assistrail disability and public access handrail systems ensure that the public and mobility impaired or vision impaired can traverse your site safely and with ease.

- AR10 - SINGLE INLINE HANDRAIL - For stairs and level applications under one metre (FFL)
- AR20 - SINGLE INLINE HANDRAIL | KERBRAIL - For disabled ramps under one metre (FFL)
- AR30 - SINGLE INLINE HANDRAIL | MIDRAIL - For stairs and level applications under one metre (FFL) & midrail for extra protection
- AR40 - SINGLE INLINE HANDRAIL | MIDRAIL & KERBRAIL - For disabled ramps under one metre (FFL) and midrail for extra protection
- AR45 - SINGLE INLINE HANDRAIL | MID & BOTTOM RAILS - For stairs and level applications under one metre (FFL)
- AR50 - SINGLE OFFSET HANDRAIL - For stairs & level applications under one metre (FFL) with offset (often used on concrete nibs)
- AR60 - SINGLE OFFSET HANDRAIL | KERBRAIL - For disability ramps under one metre (FFL) with offset handrail



- AR70 - SINGLE OFFSET HANDRAIL | MIDRAIL - For level, ramp and stair applications under one metre (FFL) and midrail for extra protection
- AR80 - SINGLE OFFSET HANDRAIL | MIDRAIL & KERBRAIL - For disabled ramps under one metre (FFL) with offset and mid-rail for extra protection
- AR110 - DOUBLE OFFSET HANDRAIL
- AR120 - DOUBLE OFFSET HANDRAIL | KERBRAIL
- AR130 - SINGLE INLINE HANDRAIL | KERBRAIL - For stairs
- AR140 - WIN DOUBLE OFFSET HANDRAIL
- AR150 - SINGLE OFFSET HANDRAIL | WALL MOUNTED - For level, ramp and stair applications with suitable substrate for mounting
- AR160 - DOUBLE OFFSET HANDRAIL | WALL MOUNTED

## Description

Moddex Assistrail disability and public access handrail systems are used on accessible routes to ensure that the public and mobility impaired or vision impaired can traverse your site safely and with ease.

With 15 configurations available in the Assistrail family, Moddex Assistrail Handrails offer:

- Single or double rail requirements for primary and secondary schools
- Smooth and continuous top rails for compliance with NZBC and NZS 4121:2001
- Galvanized zinc for durability and corrosion resistance
- Fully compliant AS/NZS 1428 modular kerbrails

## Scope of use

Moddex Assistrail is a versatile handrail system designed for use in various applications where safety and accessibility are important. Applications suited to:

- DDA Access ramps & stairs
- Aged care and Accommodation
- Hospitals, Schools, Universities
- Public Transport and Sightseeing
- Community Centres



## Conditions of use

Moddex Assistrail Handrail systems are not recommended for use on access routes with a height exceeding 1 metre, as this product line does not meet the requirements of F4 Safety from Falling. For solutions that comply with F4 Safety from Falling standards, please refer to Moddex Conectabal Balustrade Systems.

Moddex Assistrail typically uses steel or aluminum components. Depending on the specific application and environment, these materials may not be suitable for all situations. For example, in highly corrosive environments, additional protective measures might be required to prevent rust or deterioration (Assistrail handrails in Stainless Steel would be preferred).

Load-Bearing Capacity: Moddex Assistrail Systems have the following live loading requirements. Line: 0.35kN/m Concentrated: 0.6kN Any project requirements that exceed these loadings, it is recommended to use the Conectabal product line which are specifically designed and manufactured for higher load-bearing requirements.

Moddex Assistrail systems must be installed by an accredited Moddex Installer as per the Moddex Assistrail PS1 and the Moddex Installation Guide.

## Relevant building code clauses

- B1 Structure
- B2 Durability
- D1 Access Routes – D1.3.3 (j, k)

## Contributions to compliance

**B1 Structure:** Moddex Assistrail Systems have been designed and tested in accordance with loadings AS/NZS 1170.1:2002 table 3.3 and AS 1657:2013 CL6.1. Refer to Moddex Assistrail Producer Statement - PS1.



**B2 Durability:** Moddex Assistrail are galvanized to AS 4792 and AS/NZS 4680:2006 and can provide a durability of at least 5 years in all Exposure Zones. If the Moddex Assistrail handrail is manufactured out of 316 grade stainless steel, it can provide a durability of at least 15 years. Durability is dependent on the Assistrail Handrail being installed and maintained in accordance with Moddex specifications and recommendations. Refer to Moddex Care and Maintenance Manual.

**D1 Access Routes:** Moddex Assistrail handrails are used on access routes for: (a) Safeguard people from injury during movement into, within and out of buildings, (b) Ensure that people with disabilities are able to enter and carry out normal activities and functions within buildings. They are used across ramps, stairs and walkways, with flush connections for a smoother, safer finish. Moddex Assistrail Handrails are tested, designed and manufactured in accordance with the NZBC D1 Access Routes Standard, as relevant to project specifications. Other relevant Standards that Assistrail handrails comply with are NZS 4121:2001 Design for access and mobility. Refer to product specification sheets for more information.

## 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)

### **Moddex Assistrail PS1 (Design) December 2021**

[https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/191002-PS1-S0002%20RO\\_assistrail.pdf](https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/191002-PS1-S0002%20RO_assistrail.pdf)

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



## Contact details

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