

Moddex Conectabal Balustrades 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 Conectabal Balustrades

Identifier:

- CB10 - STANDARD BALUSTRADE - For level applications above one metre (FFL)
- CB20 - BALUSTRADE | TOEBOARD - For level applications above one metre
- CB30 - BALUSTRADE | SINGLE INLINE HANDRAIL - For level and stair applications above one metre (FFL)
- CB35 - BALUSTRADE | SINGLE INLINE HANDRAIL & KERBRAIL - For level and ramp applications above one metre (FFL)
- CB40 - BALUSTRADE | SINGLE OFFSET HANDRAIL - For level and stair applications above one metre (FFL)
- CB45 - BALUSTRADE | SINGLE OFFSET HANDRAIL & KERBRAIL - For level and ramp applications above one metre (FFL)
- CB50 - BALUSTRADE | DOUBLE OFFSET HANDRAIL
- CB55 - BALUSTRADE | DOUBLE OFFSET HANDRAIL & KERBRAIL



Description

Moddex Conectabal Systems are designed for safety and fall prevention in various commercial and industrial applications. They offer a high safety load rating and achieve compliance with every standard in any application.

Moddex Conectabal balustrade systems can be integrated with the Moddex Assistral Accessible handrails for compliant accessible routes.

Scope of use

When you need to mitigate or eliminate risk to workers, customers and visitors from falls from height in public areas, Moddex Conectabal commercial balustrades are the ideal balustrade solution that can offer a high safety load rating.

Suitable applications include:

- Retaining walls and carparks
- DDA access ramps and stairs
- Accommodation units
- Sporting facilities and stadiums
- Public transport and sightseeing
- Fire and access stairs
- Footbridges and culverts
- Loading bays and mezzanines

Conditions of use

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

Conectabal balustrade systems must be installed by an accredited Moddex Installer as per the Moddex Conectabal Ps1 and the Moddex Installation Guide.

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



Relevant building code clauses

- B1 Structure – B1.3.1, B1.3.2, B1.3.3 (f, h, j), B1.3.4
- B2 Durability – B2.3.1 (a), B2.3.2 (a, b)
- D1 Access Routes – D1.3.3 (j, k)
- F4 Safety from falling – F4.3.1

Contributions to compliance

B1 Structure: Moddex Conectabal Systems have been designed and tested in accordance with loadings AS/NZS 1170.1:2002 table 3.3 and AS 1657:2013 CL6.1. Conectabal Balustrade Systems have been designed to take live loadings of: Line: 0.75kN/m Concentrated: 0.6kN Infill: 1KPa/0.5KN Refer to Moddex Conectabal Producer Statement - PS1.

B2 Durability: Moddex Conectabal Systems are galvanized to AS 4792 and AS/NZS 4680:2006 and can provide a durability of at least 5 years in all Exposure Zones. Durability is dependent on the Conectabal Balustrade being installed and maintained in accordance with Moddex specifications and recommendations. Refer to Moddex Care and Maintenance Manual.

D1 Access Routes: Moddex Conectabal balustrades integrate with D1 compliant accessible handrail on accessible routes over 1m.

F4 Safety From Falling: Moddex Conecatbal balustrades are manufactured with balusters that do not exceed 100mm horizontally as stated in F4 1.2 Balustrade Construction. Balustrade height is dependent on the required standards for the project application to ensure a safe and secure safety from falling system. All Conectabal Balustrades have been designed and manufactured with the following live loadings: Line: 0.75 kN/m Concentrated: 0.6 kN Infill: 1KPa/0.5KN



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

Moddex Care and Maintenance Manual (Maintenance) September 2023

https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/Moddex_Care%20&%20Maintenance%20Manual.pdf

Moddex Conectabal PS1 (Design) November 2021

https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/160430-PS1-S002%20R9_conectabal.pdf

For further information supporting Moddex Conectabal Balustrades claims refer to our website - www.moddex.com



Category: Balustrades systems

Use as pool fencing?

× NO

Provides an accessible handrail

YES

Use of glass or other brittle material

×NO

Building Code Performance Clauses

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:

- (f) earthquake
- (h) wind
- (j) impact

B1.3.4

Due allowances shall be made for:

1. the consequences of failure,
2. the intended use of the building,
3. effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,
4. variation in the properties of materials and the characteristics of the site, and
5. 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: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

B2.3.2

Individual building elements which are components of a building system and are difficult to access or replace must either:

(a) all have the same durability

(b) be installed in a manner that permits the replacement of building elements of lesser durability without removing building elements that have greater durability and are not specifically designed for removal and replacement.

D1 Access Routes

D1.3.3

Access routes shall:

(j) have smooth, reachable and graspable handrails to provide support and to assist with movement along a stair or barrier

(k) have handrails of adequate strength and rigidity as required by Clause B1 Structure

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.



Contact details

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