

Moddex KlipTread Walkway 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 KlipTread Walkway Systems

Identifier:

- KT30 - Clip-on cantilever arm with a walkway and top, mid and bottom rail.
- KT35 - Clip-on cantilever arm with a walkway with a top, mid and bottom rail including a kickplate.
- KT40 - Clip-on cantilever arm with a walkway with a top and mid rail with comms tube.
- KT45 - Clip-on cantilever arm with a walkway with a top and mid rail and comms tube including a kickplate.

Description

Moddex KlipTread Walkway System is a Clip-on Cantilever arm with a walkway, specially designed and manufactured for upgrades on existing bridge infrastructure that are no longer compliant due to changes in standards over the years, and/or due to deterioration of walkways under the harsh environment in which they are found.

KlipTread is a fully compliant, retrofittable system that is pre-engineered and certified, allowing for a greater margin of safety. Simple installation from above the structure, cuts downtime to a fraction of previous walkway installs and ensures safety.



Scope of Use

Moddex proprietary KlipTread System ensures walkways and handrails on bridges can be specified and fitted effortlessly, with compliance guaranteed.

KlipTread is a clip-on walkway system with interchangeable clamp hooks that ensure it can fit to a range of different I-beam bridge profiles. The Clip-on walkway design allows safety for pedestrians and service personnel by segregation from vehicle and trains.

Conditions of use

The structure, to which the KlipTread walkway is fixed, as designed by others, has to be able to resist the applied loads.

The existing structural steelwork that the walkway is clipped on to must be confirmed as “structurally sound” with no evidence of excessive corrosion, misalignment or any other defect which may affect its structural capacity.

The installation of the walkway and barrier must be in accordance with the Moddex Installation Guide and the KlipTread PS1 (Producer Statement).

Relevant building code clauses

- B1 Structure
- B2 Durability
- D1 Access Routes

Contributions to compliance

Moddex KlipTread 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 KlipTread PS1 (Producer Statement).



Moddex KlipTread Systems are galvanized to AS 4792 and AS/NZS 4680:2006 and can provide a design life of 50 years (excluding RFP) Durability is dependent on the KlipTread System being installed and maintained in accordance with Moddex specifications and recommendations. Refer to Moddex Care and Maintenance Manual.

Stringent vibration endurance tests have been performed and independent testing has been carried out to confirm the suitability of the Moddex KlipTread system. Designed to meet the following live loadings:

- Barrier Line: 0.35kN/m Concentrated: 0.6kN
- Walkway Pressure: 2.5kPa Concentrated: 1.1kN

Supporting documentation

The following additional documentation supports the above statements:

KlipTread Installation Guide - November 2023

<https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/KlipTread%20Installation%20Manual031123.pdf>

KlipTread PS1 (Design) - July 2021

<https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/KlipTread%20-%2000730-PS1-S0001%20R0-1.pdf>

KlipTread KT30 Specification Sheet (Design) - October 2023

https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/MDX_Specifications%20Doc_KlipTread_KT30.pdf

KlipTread KT35 Specification Sheet (Design) - October 2023

https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/MDX_Specifications%20Doc_KlipTread_KT35.pdf

KlipTread KT40 Specification Sheet (Design) - October 2023

https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/MDX_Specifications%20Doc_KlipTread_KT40.pdf

KlipTread KT45 Specification Sheet (Design) - October 2023

https://3284798.fs1.hubspotusercontent-na1.net/hubfs/3284798/MDX_Specifications%20Doc_KlipTread_KT45.pdf



Contact details

Manufacture location: New Zealand

Legal and trading name of manufacturer: Moddex

Manufacturer address for service: 32 Kingsford Smith Drive, Rangiora 7400

Manufacturer website: www.moddex.com

Manufacturer email: info@moddex.co.nz

Manufacturer phone number: 0800 663 339

Manufacturer NZBN: 9429051361556

MODDEX

32 Kingsford Smith Drive, Rangiora 7400

0800 663 339 | www.moddex.com

