

TreadTech Aluminium Deck Framing & Pedestal System

Product Technical Statement: 113638



A complete aluminium deck framing and adjustable pedestal system for modern outdoor spaces.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



TreadTech confirms that this minimum level of assurance has been met or exceeded by the following:

Unex

[PS1](#)



The following information has been provided by TreadTech demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 2

Product Description

TreadTech is a complete aluminium deck framing and adjustable pedestal system designed for decks, balconies, pool surrounds, and rooftop applications. Combining height-adjustable TreadJack pedestals with the TreadFrame aluminium subframe, the system provides a durable, rot-free solution engineered for New Zealand conditions. The TreadFrame and pedestal combination can accommodate almost any height from 50 mm upwards (excluding decking thickness), with 115 mm and above being the ideal range for a cost-effective solution. Suitable for both residential and commercial projects, TreadTech enables precise levelling and efficient installation across a wide range of outdoor applications. Backed by a 10-year residential warranty and supported by over 40 years of expertise from UNEX Systems, TreadTech provides a reliable foundation for modern outdoor spaces.

Scope of use

TreadTech, when installed in accordance with Installation Guide, is intended for use as a deck framing system in horizontal applications. It has been designed to support Composite decking boards, Exterior structural tiles and hardwood timber decking boards.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(b), B1.3.3(f), B1.3.3(g), B1.3.3(j), B1.3.4
Performance B1.3.1, B1.3.2 and B1.3.4. TreadTech meets the requirements for loads arising from self-weight, imposed gravity loads arising from use, and earthquake impact [i.e. B1.3.3 (a), (b), (f), (g), and (j)].
- **Clause B2 Durability:** Performance B2.3.1
Extruded aluminium joists and bearers manufactured from 6060 T5 or T6 aluminium alloy and either powder coated or anodized.
- **Clause F2 Hazardous building materials:** Performance F2.3.1
Performance F2.3.1. The TreadTech – Aluminium Deck Subframe System meets this requirement and will not present a health hazard to people.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

<https://www.treadtech.nz/resources/>

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



Unex

[PS1](#)



masterspec partner

Company Contact Details



Brand:	TreadTech
Company:	Unex Systems
Physical Address:	42 Bryant Rd Te Rapa HAMILTON
Postal Address:	PO Box 92 Frankton HAMILTON
Telephone:	64 7 8509464
Email:	info@unex.co.nz
Website:	https://www.treadtech.nz/

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Product Criteria

Design requirements

See producer statement.

Installation requirements

See technical specification sheet document.

Maintenance requirements

See care and maintenance document.

Warrantees

UNEX Systems 10 Year Product Warranty - Residential

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Unex Systems

Business Email:

info@unex.co.nz

Company Website:

www.unex.co.nz

Contact Number/s:

+64 7-8509464

800 333777

Product Identifier

TREADTECH

Warnings

This product has no warnings associated with it.



Date last validated: **18 August 2026**



Date last updated: **18 August 2026**

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