

Certificate no: CMNZ70024

Version: 5

Original issue date: 24 September 2019

Version date: 12 December 2023

1. Certificate Holder Details

MiTek®

MiTek New Zealand Limited
40 Neales Road East Tamaki, Auckland 2013
New Zealand
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www.mitekzn.co.nz

2. Product Certification Body

Bureau Veritas Australia Pty Ltd
11/500 Collins Street
Melbourne VIC 3000 Australia
product.certification@bureauveritas.com
Ph: 1800 855 190
www.bureauveritas.com.au

Complaints: The complaints process for this certificate can be found here:
www.bureauveritas.com.au/your-feedback



Sam Guindi – Bureau Veritas Product Certification Manager



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Product Certificate

MiTek LUMBERLOK Timber Connectors

3. Description of Building Method or Product

Name of the product or method in Aotearoa New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable. Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use. Continuation of description can be found in item 10 – Supporting Information about Description. [Delete if not applicable]. The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

MiTek LUMBERLOK Timber Connectors are a range of metal plate or wire connectors manufactured from pre-galvanised steel (Z275) coil or wire. A selection of LUMBERLOK Timber Connectors are also available in stainless steel (Grade 304-2B); refer to MiTek Structural Fixings On-site Guide 2023 for details.

4. Intended use of Building Method or Product

Intended use of the building method or product as described in the product manual and other instructional materials. A statement of the function or purpose of the building method or product. Continuation of intended use can be found in item 11 – Supporting Information about Intended use. [Delete if not applicable]

MiTek LUMBERLOK Timber Connectors are designed and manufactured to connect timber to timber, timber to concrete, timber to steel, and to provide structural support to timber construction.

5. New Zealand Building Code Provisions

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system).

How the building method or product complies or contributes can be found in item 8. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.

B1 Structure: B1.3.1, B1.3.2, B1.3.3 (b), (f), (g), (h), (q), B1.3.4

B2 Durability: B2.3.1 (a), B2.3.2 (a)

F2 Hazardous building materials: F2.3.1



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6. Conditions and Limitations of Use

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed.

Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.

1. LUMBERLOK Timber Connectors are certified for use on buildings:
 - a) specifically structural engineering designed in accordance with Verification Method B1/VM1, and
 - b) non-specifically designed in accordance with NZS3604:2011, and
 - c) located in any exposure zone as defined in NZS3604:2011
2. LUMBERLOK Timber Connectors shall be used:
 - a) only for the purpose for which each of them is designed and manufactured (as specified in the manufacturers technical information), and
 - b) in accordance with the manufacturers LUMBERLOK Characteristic Loadings Data, April 2020 and installation manual MiTek Structural Fixings On-Site Guide 2023 <https://miteknz.co.nz/services/structural-fixings-on-site-guide/>

7. Health and Safety Information

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

The compliance with any manufacturer's installation instructions, maintenance, OH & S statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.

8. Basis for Certification

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

- B1 Structure - By testing and comparison with Verification Method B1/VM1 and referenced Standard NZS3604:2011
- B2 Durability - By testing and comparison with B2/VM1 and referenced Standard NZS3604:2011
- F2 Hazardous building materials - By comparison with the performance requirements of Building Code clause F2.3.1



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9. Supporting Documentation for Certification

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date. Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure 1st Edition (Amendment 21), 2 November 2023
2. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability (Amendment 12), 28 November 2019
3. NZS3604:2011 Timber framed buildings
4. Les Boulton & Associates Report 181217 Appraisal of Lumberlok Timber Connectors 21 May 2018
5. Lignum Structural Independent Assessment of Lumberlok Products to NZBC B1 Structure, 22 June 2018
6. LUMBERLOK Deck Joist Fixing PS1 Producer Statement, In Ling Ng, 10/02/2023
7. MiTek Structural Fixings On-Site Guide 2023
8. LUMBERLOK Timber Connectors Characteristic Loadings Data, April 2020

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

This certificate covers the following MiTek LUMBERLOK Timber Connectors:

- Angle Brace
- Concealed Purlin Cleat
- Diagonal Cleat N21
- Joist Hangers
- Nailon Plates
- Strap Nail
- Wire Dogs
- Ordinary Pile Fixing
- 12kN Pile fixing
- Pile Bearer Connection Type 2A & 2B
- Framing Stud Stiffener
- Stud Strap
- Bottom Plate Fixing Anchor
- Concrete Fixing Cleats
- Header Block Anchor
- Multi-Brace
- Sheet Brace Straps
- Strip Brace
- 6kN Pile Fixing
- 12kN Retro Subfloor Fixing
- Deck Joist Fixing
- Plate-Lok
- Purlin Screws
- Top Plate Stiffener
- Ceiling Ties
- Cyclone Ties
- I-Beam Hangers
- Multigrip
- Split Hangers
- Tylok Plates
- Floor Joist Stiffener
- StudLok Screws



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11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

Further details regarding the use of the product can be found in MiTek Structural Fixings On-Site Guide 2023, and LUMBERLOK Timber Connectors Characteristic Loadings Data, April 2020.

12. Supporting Information About Conditions and Limitations of Use (Optional)

Any supporting information for section 6.

N/A

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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