

Certificate no: CMNZ70012

Version: 3

Original issue date: 19 March 2019

Version date: 21 March 2024

1. Certificate Holder Details



Neuchâtel Waterproofing Ltd

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New Zealand

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www.neuchatel.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

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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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Neuchâtel Mastic Asphalt Waterproofing System

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

The Neuchâtel Mastic Asphalt System is a polymer modified mastic asphalt applied over insulation board or a timber or concrete structural substrate in one or two layers to give a waterproof monolithic layer of up to 60mm thickness depending on the specific application.

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]

This product certificate covers the use of the Neuchâtel Mastic Asphalt System as a waterproof roofing membrane and as a waterproofing and paving system for elevated decks and car parks for cars, light commercial and heavy goods vehicles.

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, c, f, h, m, q); B1.3.4

B2 Durability – B2.3.1 (a); (when concealed*) or B2.3.1 (b) (not concealed); B2.3.2 (a)

*Concealed means when used as a substrate, or incorporated in a green, warm or inverted insulated roof

D1 Access Routes – D1.3.3 (d)

E2 External Moisture – E2.3.1; E2.3.2; E2.3.7

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. The Neuchâtel Mastic Asphalt System shall be installed using the traditional techniques for mastic asphalt described in the relevant Clauses and in accordance with the Neuchâtel Mastic Asphalt Technical Manual 004.
2. Timber substrate structures may be designed in accordance with NZS3604:2011 as a heavy roof, provided the mastic asphalt membrane does not exceed 22mm.
3. All plywood sheets must be CCA treated to H3.2. The Plywood shall be a minimum of 17mm thickness complying with AS/NZS 2269.0:2012.
4. Concrete and other specifically designed substrates shall be designed in accordance with verification method B1/VM1 (Amendment 15) using the structural design actions in AS/NZS1170.1:2002.
5. A separation layer shall be placed between the substrate and mastic asphalt topping.
6. The substrate shall be dry, with no sharp projections. All work must be carried out by Neuchâtel Waterproofing Ltd approved applicators (contact certificate holder for list of approved applicators).
7. The design and construction of the substrate and movement and control joints is specific to each building and is outside the scope of this certificate.
8. The weather tightness design of all junctions on specifically designed buildings is outside the scope of this certificate.

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 - BS 6925: 1988 Specification for mastic asphalt for building and civil engineering (limestone aggregate)

B2 Durability – By testing and comparison with Verification Method B2/VM1 using BS 6925: 1988

D1 Access Routes - D1 Access routes - By testing and comparison with Acceptable Solution D1/AS1

E2 External Moisture – By testing and comparison with the requirements of Acceptable Solution E2/AS1 using BS 6925:1998.

F2 Hazardous material – 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 B2 Durability Second edition (Amendment 12), 28 November 2019
2. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause F2 Hazardous building materials First edition (Amendment 3), 1 January 2017
3. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause D1 Access Routes 2nd Edition (Amendment 6), 1 January 2017
4. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
5. MBIE Determination 2016/016
6. BS 6925:1988 Specification for mastic asphalt for building and civil engineering (limestone aggregate)
7. BBA Agrément Certificate 17/5449 Product Sheet 1 IKO Pacoflex, 7 September 2017
8. Safety Datasheet IKO Pacoflex - polymer modified mastic asphalt, version 1.0, 22/03/2018
9. BS 8218:1998 Code of practice for mastic asphalt roofing
10. Neuchâtel Asphalt Technical Manual 004.

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

System Components:

- Neuchâtel CS - (Cap Sheet)
- Neuchâtel BS - (Base Sheet)
- Neuchâtel PMA - (Polymer Modified Asphalt)
- Neuchâtel SRP - (Solar Reflective Paint)
- Neuchâtel Paving
- Neuchâtel Metal Lath



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11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

The Neuchâtel Mastic Asphalt System may be used where the minimum gradient of the substrate structure is completely flat (less than 1:80) including nominally zero pitch.

When configured as a paving system it is suitable for paving vehicle access ramps with gradient up to 1:10.

Neuchâtel Mastic Asphalt System can be configured to be:

- suitable for direct foot traffic
- a suitable substrate external pavers, tiles or concrete for pedestrian traffic, and for pavers or tiles on paver supports, for use on terraces, balconies or podia.
- a car park trafficable surface
- part of a green roof system
- part of a warm roof system
- part of an inverted insulated roof

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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