

Certificate no: CMNZ30102

Version: E

Original issue date: 11 April 2019

Version date: 31 May 2025

Renewal date: 03 September 2026

# Product Certificate

## Hydrotech Membrane (MM6125) system

### 1. Certificate Holder Details



#### Allco Waterproofing Solutions Ltd

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### 2. Product Certification Body

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**Complaints:** The complaints process for this certificate can be found here:

[www.global-mark.co.nz/complaints](http://www.global-mark.co.nz/complaints)

#### Global-Mark Managing Director.



Herve Michoux

### 3. Description of Building Method or Product

Hydrotech (MM6125) membrane system (the system) is a monolithic membrane made from a formulation of refined asphalts and synthetic rubbers, and accessories.

The MM6125 is applied in two, 3 mm layers with a fabric reinforced layer sandwiched between these layers. The system provides a flexible, seamless, self-healing monolithic membrane. The components of the system are listed in section 10.

### 4. Intended use of Building Method or Product

The system has been assessed as a waterproofing membrane solution for used in cold and green roof and deck assemblies, and protected membrane and deck (PMR) assemblies.

### 5. New Zealand Building Code Provisions

Hydrotech (MM6125) membrane system if designed, used, installed and maintained in accordance with the conditions of this Certificate will comply with or contribute to compliance with the following performance provisions of the NZ Building Code:

Clause B2 DURABILITY:	Performance B2.3.1 (a) – not less than 50 years, B2.3.2 where covered by ballast, green roof or concrete topping slab); otherwise B2.3.1 (b).
Clause E2 EXTERNAL MOISTURE	Performance E2.3.1, E2.3.2, E2.3.7.
Clause F2 HAZARDOUS BUILDING MATERIALS:	Performance F2.3.1

### 6. Conditions and Limitations of Use

1. The system is certified to be used on buildings:
  - a. Where:
    - i. for new buildings, the primary structure and substrate has been specifically designed by a chartered professional engineer in accordance with NZBC Verification Method B1/VM1 amendment 21 (2 November 2023), or
    - ii. For existing building where additional loads from an overlay are applied, the suitability of the existing building and substrate has been confirmed and documented by a chartered professional engineer and submitted as part of the building consent application.

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- b. Situated:
    - i. in any wind zone or subjected to any design wind pressures, and
    - ii. in all exposure zones, excluding microclimates, as defined by NZS3604: 2011, and
  - c. where the substrate for the membrane is reinforced concrete substrates with
    - i. any pitch including zero pitch defined as less than 1:100/0.5°, and
    - ii. gutters with a minimum of 1:100/0.5° fall.
2. The system shall:
- a. be designed, installed and maintained in accordance with the requirements of the following documentation:
    - i. MasterSpec ALLCO HYDROTECH® MM6125 RUBBERISED ASPHALTWATERPROOFING 4414H (version 1.0)
    - ii. Allco Hydrotech Details Manual (V1.3)
    - iii. Allco Membrane Roofing Solution - Care and Maintenance - Hydrotech Membrane. Version 3 - 2025
    - iv. Monolithic Membrane 6125 Pre- Installation & Application Guidelines (June 2004)
    - v. Allco Substrate Checklist - Concrete (V4 2022)
    - vi. Allco Hydrotech Pre-Installation checklist (V2.1)
  - b. be protected as follows:
    - i. on PMR assembly or when trafficable cold roof/deck assembly is required: one of the following overlays shall be installed over the insulation layer and shall not subject the membrane to compression pressure exceeding 680 kPa:
      - 1. Pavers or floating timber deck on pedestals
      - 2. Ballast (graded stones)
      - 3. Green roof
      - 4. Concrete topping slab
    - ii. on a non-trafficable cold roof/deck assembly or where only maintenance related traffic is expected: the membrane shall be protected with a layer of Hydroflex 30 or Casali Olympia.
  - c. be separated or protected from heat sources such as fireplaces, heating appliances, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1, 2<sup>d</sup> Edition (02 November 2023)- C/AS2 amendment 3 (02 November 2023) and NZBC Verification Method C/VM1 2<sup>d</sup> Edition (02 November 2023) provide methods for separation and protection of combustible materials from heat sources.
3. Electronic Field Vector Mapping (EFVM) shall be installed for all PMR assemblies and for Cold Roof assemblies where the overlay is ballast, green roof or concrete topping slab. Where EFVM is installed, the completed membrane shall be electronically tested for damage (and repaired where necessary) prior to the application of the covering layers.



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4. Where the membrane is used to line a gutter, the gutter shall have sufficient flow capacity to handle the runoff from the particular roof catchment area in accordance with Acceptable Solution E1/AS1 Amendment 10 (5 November 2020)
5. Access to drainage outlets must be provided for inspection and maintenance.
6. When fabric reinforcement used, overlap between sheets shall be at least 75 mm and fully sealed by the membrane
7. Vegetation used on green roof applications shall be compatible with the root barrier specification.
8. This certification does not include:
  - a. The weathertightness design of junctions for each specific substrate structure and control joints
  - b. The design, specification, supply and installation of insulation (in PMR) and protection overlays described in limitation 2(b) including the effects of wind falls
9. An Allco Design Declaration, signed by the designer, that the conditions of this certificate relevant to the design phase have been met shall be submitted with the Building Consent application
10. An Allco Installation Declaration, signed by the Allco approved installer, that the conditions of this certificate relevant to the installation phase and the design details have been met shall be submitted with an application for a Code Compliance Certificate.

### 7. Health and Safety Information

Standard industry safety practices and manufacturer safety requirement as detailed in the technical literature must be observed at all times. In particular the application of Hydrotech Membrane (MM6125) system requires the use of a melter, torches and/or burners which introduces a number of hazards such as hot surfaces and material.

- Site must have within easy reach a properly rated, fully charged fire extinguisher (B/C rated extinguisher is recommended).
- Check with the melter, torch or burner manufacturer for instructions covering the equipment operating procedures, safety and maintenance BEFORE firing it up.
- Proper clothing and PPE are essential when working around or near melters, torches or burner.

Please refer to Hydrotech Safety Data Sheet (SDS) for Monolithic Membrane 6125®, June 2024.

### 8. Basis for Certification

The certification decision is based on independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)

Code Clause	Compliance pathway	Evidence
B2 DURABILITY:	Verification method - B2/VM1	001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011 and 012



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E2 EXTERNAL MOISTURE	Alternative solution - Expert opinion based on testing	001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011 and 012
F2 HAZARDOUS BUILDING MATERIALS	Solution based on performance clause of F2.3.1	005, 008, 009 and 012

### 9. Supporting Documentation for Certification

Rev	Author	Description	Date and/or Revision
001 *	College of Agricultural Sciences, Department of Horticulture	Green Roof Water Proofing Root Resistance Evaluations for American Hydrotech Inc	2018
002	British Board of Agrément	HYDROTECH MONOLITHIC MEMBRANE 6125 ROOF WATERPROOFING SYSTEM	90/2431 Product Statement 1
003	British Board of Agrément	HYDROTECH MONOLITHIC MEMBRANE 6125 ROOF WATERPROOFING SYSTEM	90/2431 Product Statement 2
004	Ministry of Business Innovation & Employment	Regarding the code-compliance of a zero-pitch roof system using a protected liquid-applied membrane	Determination 2016/016
005	Allco Waterproofing Solutions Ltd	Monolithic Membrane 6125® Safety Data Sheet	June 2022
006	Allco Waterproofing Solutions Ltd	Allco Hydrotech Details Manual	V1.3V1.3
007	MasterSpec	ALLCO HYDROTECH® MM6125 RUBBERISED ASPHALT WATERPROOFING	4414AH Version 1.0
008	Hydrotech	Monolithic Membrane 6125 Pre- Installation & Application Guidelines	June 2004
009	Allco Waterproofing Solutions Ltd	Allco Membrane Roofing Solution - Care and Maintenance - Hydrotech Membrane	V3 2025
010	Allco Waterproofing Solutions Ltd	Allco Substrate Checklist - Concrete	V4 2022
011	Allco Waterproofing Solutions Ltd	Allco Hydrotech Pre-Installation checklist	V2.1

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012	Various	Product data sheets for the various component used in the membrane system	Various
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\* These documents were provided commercial in confidence and are not publicly available

### 10. Supporting Information About Description (Optional)

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|---|--|--|--|
| <ul style="list-style-type: none"> <li>Hydrotech Flex-Flash-F</li> <li>Hydrotech Flex-Flash-UN</li> <li>Hydrotech Flex-Flash-MB (granulated)</li> <li>Hydrotech Flex-Flash-MB (smooth)</li> <li>Hydroseal Resin Liquid</li> <li>Hydroflex 30</li> </ul> | <ul style="list-style-type: none"> <li>Casali Olympia</li> <li>Hydrotech Root Stop</li> <li>Hydrotech Root Stop HD</li> <li>Hydrotech Root Stop Tape</li> <li>Casali Eradix</li> <li>Hydrotech MM6125 Surface Conditioner</li> </ul> | <ul style="list-style-type: none"> <li>Hydrotech Splice Tape</li> <li>Hydrotech Bonding Adhesive</li> <li>Hydrotech Splicing Cement</li> <li>Hydrotech Lap Sealant</li> <li>Hydrotech Splice Tape Primer</li> <li>Aquadrain GS-310 or 15X</li> </ul> | <ul style="list-style-type: none"> <li>Hydrodrain 300</li> <li>Hydrotech Stone Filter Fabric</li> <li>Volclay GS-404</li> <li>Syntex (grade A1) filter fabric</li> <li>Scuppers and drainage outlets, supplied by Allco</li> </ul> |
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### 11. Supporting Information About Intended Use (Optional)

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

Nil

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.