

Externally applied flexible rubber waterproofing membrane

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## Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



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

CodeMark

[BCS164618-CMNZ](#)

Kiwa

[Kiwa BDA Agrément - BAB 17-031/04/A](#)



**masterspec partner**

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## Technical Statement

### Product Description

**Newton 109-LM** is a liquid, radon gas certified, flexible, single-component, cold-applied, seamless rubber waterproofing membrane. **Newton 109-LM** is available in two variants: Medium Viscosity, for use in warmer temperatures, and Low Viscosity, for when it is cooler.

### Scope of use

**Newton 109-LM** is used primarily for the external waterproofing of earth retaining structures such as basements and foundation walls.

### 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 B1.3.3(e), B1.3.3(j), B1.3.3(m), B1.3.3(q)
- **Clause B2 Durability:** Performance B2.3.1(a)
- **Clause E2 External moisture:** Performance E2.3.3
- **Clause F2 Hazardous building materials:** Performance F2.3.1

### Supporting Evidence

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



CodeMark

[BCS164618-CMNZ](#)



Kiwa

[Kiwa BDA Agrément - BAB 17-031/04/A](#)

## Product Criteria

### Design requirements

**Newton 109-LM** is a constituent product of the Newton HydroBond System. **Newton 109-LM** is also adept as a detailing membrane for the termination and jointing of other Newton waterproofing products, and is the perfect primer for the adhesion of butyl products to concrete and mortar.

### Installation requirements

**Newton 109-LM** can be applied with brush, roller or airless spray. The **Newton 109-LM** is required to be designed and installed according to the details and drawings described in technical and installation manual, by Newton System's trained and approved applicators. When used in conjunction with Newton 403 HydroBond or 403 HydroBond-GB as a full HydroBond System, overlap by a minimum of 150 mm. **Newton 109-LM** does not require a primer unless applied to horizontal surfaces. Installation temperature +5 to +35 °C.

### Maintenance requirements

**Newton 109-LM** is extremely puncture resistant with elasticity of 850% and a 95% recovery memory. When used to waterproof retained walls, **Newton 109-LM** must be protected prior to back-fill.

### Warrantees

Correctly installed, fully covered and protected, **Newton 109-LM** will provide, under normal conditions, a durable waterproof covering for the life of the building to which it is installed. The expected life time of

the building itself should be at least 50 years. Please note that this is not the guarantee. The waterproofing guarantee is provided by the specialist waterproofing applicator who installs the product.

## Company Product Information

### Environmental

**Newton 109-LM** - material composition: Polymer modified bituminous thick coatings for waterproofing.

### Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **30 September 2019**



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