

Internally applied 8mm Cavity Drain Membrane for basements

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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



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

CodeMark

[BCS-177818-CMNZ r1.1](#)

BBA

[Agrément Certificate - 94/3010](#)



masterspec partner

Technical Statement

Product Description

Newton 508 is a cavity drain waterproofing membrane, which is supplied in a number of variants for use within Newton System 500, our internally applied waterproofing system that includes Newton drainage and pumping systems.

Scope of use

Depending on the variant, **Newton 508** is suitable for the waterproofing of earth retained walls, vaulted soffits and floors.

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 B1.3.2
- **Clause B2 Durability:** Performance B2.3.1(b)
- **Clause E3 Internal moisture:** Performance E3.3.2, E3.3.6
- **Clause F2 Hazardous building materials:** Performance F2.3.1
- **Clause H1 Energy efficiency :** Performance H1.3.1

Supporting Evidence

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



CodeMark

[BCS-177818-CMNZ r1.1](#)



BBA

[Agrément Certificate - 94/3010](#)

Product Criteria

Design requirements

Newton 508 is suitable for walls and floors. Rolls are 20m long and 2.4m wide including the 70mm flat jointing flange. Do not apply to flat soffits unless the soffit is at least 400 mm narrower than the membrane to be used and then only by very experienced applicators. **Newton 508** is not a standalone product and has no capability to withstand water pressure. Must be used as part of Cavity Drain Waterproofing system that safely removes water from the building.

Installation requirements

Newton 508 is required to be designed and installed according to the details and drawings described in Installation Manual, by Newton System's trained and approved applicators.

Maintenance requirements

During the installation of the **Newton 508**, any repairs that are required should be carried out as they occur. This will save time later, and reduce the risk of overlooking a potential problem. Once the System is installed, but before the finishes are applied, the membrane **Newton 508** should be checked for damaged areas and again repaired as necessary. Joints and seals should be checked to make sure they are adequate. Any repairs found necessary should be carried out in accordance with Section 11.2 of the Installation Manual.

Warrantees

Company Contact Details



Company: Newton Systems Limited

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When **Newton 508** specified, installed and protected in accordance with the Data Sheet and Installation Manual and fully and permanently isolated from UV light, physical damage or wearing, and only to those substrates confirmed within, **Newton 508** has a service life that is equal to the design life of the structure. Newton 508 is supplied with a product warranty of 50 years. Please note that this is not a guarantee. The waterproofing guarantee is provided by the specialist waterproofing applicator.

Company Product Information

Environmental

Newton 508 - material composition: HDPE (High-density polyethylene).

Quality Assurance



ISO 9001 (Quality Management)

Videos

[Newton 508](#)



Date last validated: **03 October 2019**



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