

Type A Waterproofing

A-18 SPECIFICATION SHEET

External Waterproofing of Hollow Block Walls

Rev 1.0 - 18th June 2021



BUILD

WALL CONSTRUCTION:

Hollow Block Walls

FLOOR CONSTRUCTION:

Block and Beam Floor

NWI SCORE



This specification employs 1 form of waterproofing (Type A - Barrier Protection) to prevent ground water passing through the structural elements of the building to ensure that the desired internal environment is achieved. The effectiveness of the waterproofing is dependent on the Type A barrier membrane being 100% effective, especially over the mortar joints of the block wall and the wall/raft junction



NOTES

To improve the NWI score and provide a grade 3 environment install Newton CDM System as per Newton Specification Sheet AC-42.

The detailing of other building elements and termination details are available within the Newton Waterproofing specification library.

SPECIFICATION

ANCILLARIES

Install appropriate Newton waterbars to all construction joints and service penetrations.

TYPE A APPLIED EXTERNALLY

Waterproof the structure with [Newton HydroBond System](#) providing barrier protection.

NEWTON WATERPROOFING INDEX

The Newton Waterproofing Index (NWI) is a unique scoring system that accurately assesses the level of risk and potential success of specific waterproofing specifications. The NWI score is awarded by a panel of experienced waterproofing design specialists and reflects the chances of success of that specification. The scoring system works in conjunction with the British Standard for waterproofing, which defines the three types of internal environments as Grades 1, 2 and 3.

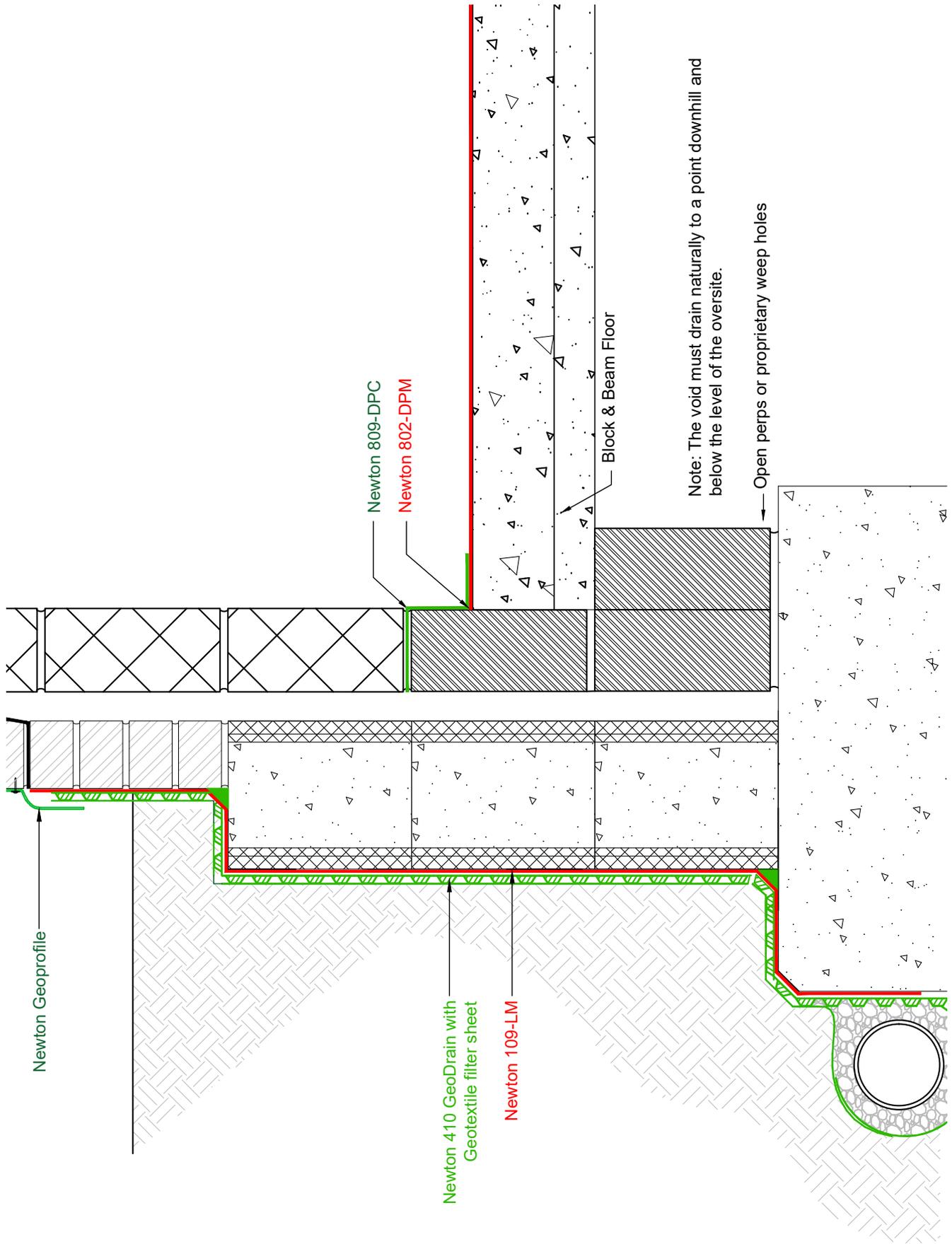
A-RATED INSURANCE

Tailor made insurance policies available depending on the specialist contractor and specification.

Any specification/advice provided is only valid if used with products supplied by John Newton and Company Ltd (trading as Newton Waterproofing Systems). Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our website for the latest versions.

A-18

External Waterproofing of Hollow Block Walls



Type A Waterproofing

A-18 SPECIFICATION OUTLINE

External Waterproofing of Hollow Block Walls

The following specification provides 1 form of waterproofing

Specification	A-17
Description	Waterproofing to Hollow Block wall structure. No gas protection.
Build	Hollow block walls, with reinforced concrete core, supported from strip foundations. Block and beam floor
NEWTON HYDROBOND SOLUTION	The Newton HydroBond System provides a complete and continuous waterproof barrier to the external surface of any below ground structure
Substrate Preparation	Blocks with flush mortar joints to both sides of the wall. Holes and porous surfaces to be bag-rubbed with Newton 203-RM . Remove debris with vacuum cleaner and light washing.
Newton 108 HydroBond-LM or Newton 109-LM	
Application	
Newton 108 HydroBond-LM	Apply as described within the product data sheets in one coat at an application rate of 3.2kg/m ² to give a uniform membrane of 2mm.
Newton 109-LM	Apply as described within the product data sheets in two coats at an application rate of 3.2kg/m ² per coat to give a uniform membrane of 2mm. Terminate to DPC level as described within Newton Technical Drawings Seal around protrusions as described within the data sheets and Newton Technical Drawings.
Priming	With very porous surfaces, a priming coat of the product without salt catalyst may be required.
108 HydroBond-LM	
Protection/Drainage	Protect the waterproofing membrane with Newton 410 Geodrain .
Newton 410 GeoDrain	Install a landrain to assist in the diversion around the structure of the water courses that were interrupted by the build. The drainage pipe should discharge to a point that is downhill of the property so that the water will always be moved away safely by gravity.
NEWTON NEWTONITE SYSTEM	Range of damp proofing products
Newton 802-DPM	100% recycled, 1200 gauge damp proof membrane for use below concrete floors or screeds where no groundwater pressure is expected. Newton 802-DPM is compatible with all common building materials, and suitable for numerous applications as a DPM, vapour barrier, or as a slip membrane, screeding membrane or curing membrane.
Substrate Preparation	Please see Newton 802-DPM datasheet
Installation	Install the Newton 802-DPM as directed within the datasheetCDM Waterproofing System as per the Installation Manual.
Ancillaries	
Newton 410 GeoDrain	Drainage sheet used for protection of the Newton 108 HydroBond-LM or Newton 109-LM

Type A Waterproofing

A-18 NBS CLAUSE

External Waterproofing of Hollow Block Walls

The following document is to be read alongside the relevant Newton Waterproofing datasheets.

NEWTON J30 - NEWTON HYDROBOND SYSTEM

J30 TANKING

110A SEAMLESS RUBBER WATERPROOFING MEMBRANE

Newton 109-LM

Radon-certified, flexible, single-component, cold-applied and seamless rubber waterproofing membrane used primarily for the external waterproofing of earth-retaining structures such as basements and foundation walls.

Newton 109-LM is extremely puncture resistant with elasticity of 850% and a 95% recovery memory. The membrane becomes fully engaged into the substrate to prevent water tracking and is suitable for all below ground and earth-retained structures, ranging from domestic basements to the largest civil engineering projects.

Newton 109-LM is available in two variants: Medium Viscosity, for use in warmer temperatures, and Low Viscosity, for when it is cooler. Newton 109-LM is also a constituent product of the Newton HydroBond® System supported by BDA Agrément Certificate BAB 16-031/04/A and is accepted by the NHBC as a suitable waterproofing system for Type A Waterproofing to Grades 1, 2 & 3 – BS 8102:2009.

Newton Waterproofing Systems Ltd, Newton House, 17-20 Sovereign Way, Tonbridge, Kent, TN9 1RH

Tel: 01732 360095, Email: Tech@Newtonwaterproofing.co.uk, Web: www.newtonwaterproofing.co.uk

[Please click here to download the full Newton 109-LM NBS Clause](#)

NEWTON J30 - NEWTON HYDROBOND SYSTEM

J30 TANKING

110A SEAMLESS RUBBER WATERPROOFING MEMBRANE

Newton 108 HydroBond-LM

Highly radon resistant, cold spray-applied, seamless rubber waterproofing membrane for the external waterproofing of basements (including covered decks) and foundation walls.

Newton 108 HydroBond-LM is very quick to apply, at up to 1000m² per day, and is not subject to the delays normally associated with liquid membranes as it can be applied in cooler and damper conditions, and without a primer.

Newton 108 HydroBond-LM is extremely puncture resistant, with high elasticity and a 95% recovery memory. The membrane becomes fully engaged into the concrete surface to prevent water tracking and is suitable for all below ground and earth-retained structures, ranging from domestic basements to the largest civil engineering projects.

Newton 108 HydroBond-LM can be used together with Newton 403 HydroBond to provide a complete waterproof envelope to the structure, forming a Type A (barrier) waterproofing solution suitable for Grades 1, 2 and 3 as defined by BS 8102:2009. Where space is tight, Newton 109-LM can be applied by roller, brush or small airless spray machine.

The Newton HydroBond System is supported by BDA Certificate BAB 16-031/04/A and is accepted by the NHBC as a suitable waterproofing system for Type A Waterproofing to Grades 1, 2 & 3 – BS 8102:2009.

Newton Waterproofing Systems Ltd, Newton House, 17-20 Sovereign Way, Tonbridge, Kent, TN9 1RH

Tel: 01732 360095, Email: Tech@Newtonwaterproofing.co.uk, Web: www.newtonwaterproofing.co.uk

[Please click here to download the full Newton 108 HydroBond-LM NBS Clause](#)