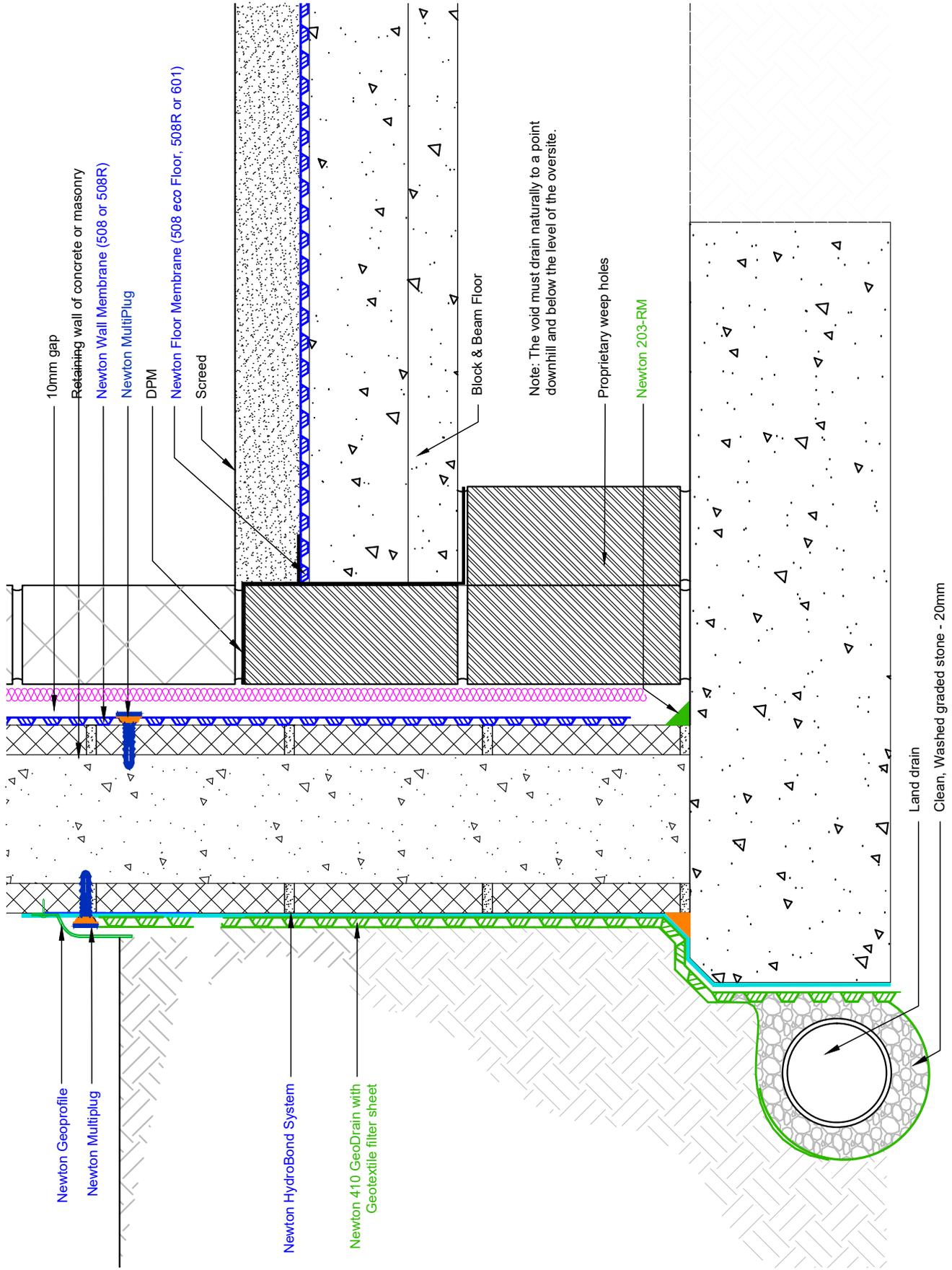


AC-42

Combined Waterproofing of Hollow Block Walls



Type A Waterproofing

AC-42 SPECIFICATION OUTLINE

Combined Waterproofing of Hollow Block Walls

The following specification provides 2 forms of waterproofing

Specification	AC-42
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	
Newton 108 HydroBond-LM or Newton 109-LM	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.
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	
108 HydroBond-LM	With very porous surfaces, a priming coat of the product without salt catalyst may be required.
Protection/Drainage	
Newton 410 GeoDrain	Protect the waterproofing membrane with 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 CDM SYSTEM	
Wall Preparation	Blockwork to be uniform and clean. Remove snots and debris.
Installation	Install the Newton CDM Waterproofing System as per the Installation Manual. It is a requirement of the BBA Certificate that the system is installed by Newton NSBC waterproofing contractors.
Wall Membrane	Install with as many fixings are required to place the membrane to the wall.
Drainage System	the void below a suspended floor can be used as both a depressurisation void for water entering between the oversite and the wall, or through the oversite itself, and as a collection void for water diverted downward by the Newton wall membrane. This detail is only suitable where the structure is located to a sloping site where a rising bed of water cannot exist, or where if the site is not sloping, the oversite is a structural slab that is designed to resist water pressure as required by BS8102.
Floor Membrane	Joint the membrane with Newton Waterseal Tape at the overlapping flange.
Protrusions	Seal the membrane as tightly as possible to the protrusion. A range of preformed sealing collars, sleeves, cloaks and linings are available.
Protection	Always required
To Wall membrane	Please see Reference sheet WF.
To Floor membrane	Please see Reference sheet FF.

Type A Waterproofing

AC-42 NBS CLAUSE

Combined 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.

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

NEWTON J40 - NEWTON CDM SYSTEM

[J40 Flexible sheet waterproofing/damp proofing](#)

290A HIGH DENSITY POLYETHYLENE STUDED CAVITY DRAIN MEMBRANE

Newton CDM System

The Newton Cavity Drain Membrane (CDM) System is a maintainable basement waterproofing solution ideal for new-build basements and refurbishment projects. Comprising of four components: Cavity Drain Membranes, Drainage, Pumps and Control Systems, the Newton CDM System complies with the British Standard for Waterproofing and provides a Grade 3 habitable internal environment.

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

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[Please click here to download the full Newton CDM system NBS Clause](#)