

Type A Waterproofing

AA-01 SPECIFICATION SHEET

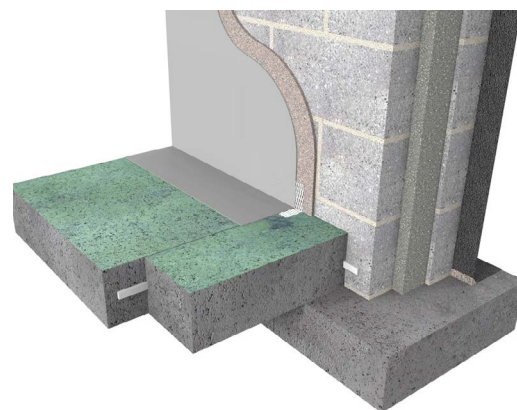
Combined Waterproofing of Block Walls

Rev 4.0 - 15 December 2022

BUILD

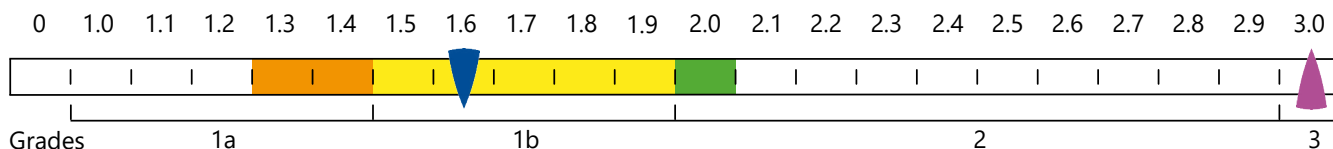
WALL CONSTRUCTION:
Double skin of block-work with RC core

FLOOR CONSTRUCTION:
Reinforced Concrete (RC) Raft



NWI SCALE

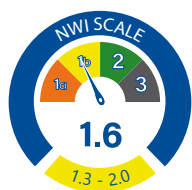
Waterproofing solutions can only achieve environmental Grades 1a, 1b or 2.
Refer to page 5 of the Newton Design Philosophy.



NWI Score when ventilation has not been included.

Ventilation, dehumidification or air conditioning is necessary; appropriate to intended use to achieve Grade 3 - BS 8102:2022.

This specification employs 1 form of waterproofing (Type A - Barrier Protection) externally to limit ground water ingress and internally to ensure that the desired internal environment is achieved. The success of the waterproofing is dependent on the Type A system being effective, especially at the construction joints.



The scoring system works in conjunction with the British Standard for waterproofing, which defines the three types of internal environments as Grades 1a, 1b, 2 and 3.

SPECIFICATION

ANCILLARIES

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

TYPE A APPLIED

Waterproof the structure internally with [Newton HydroCoat System](#) and externally with [Newton HydroBond System](#) to the walls.

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.

NOTES

To improve the NWI score and provide a grade 3 environment install Newton CDM System as per Newton Specification Sheet AC-01.

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

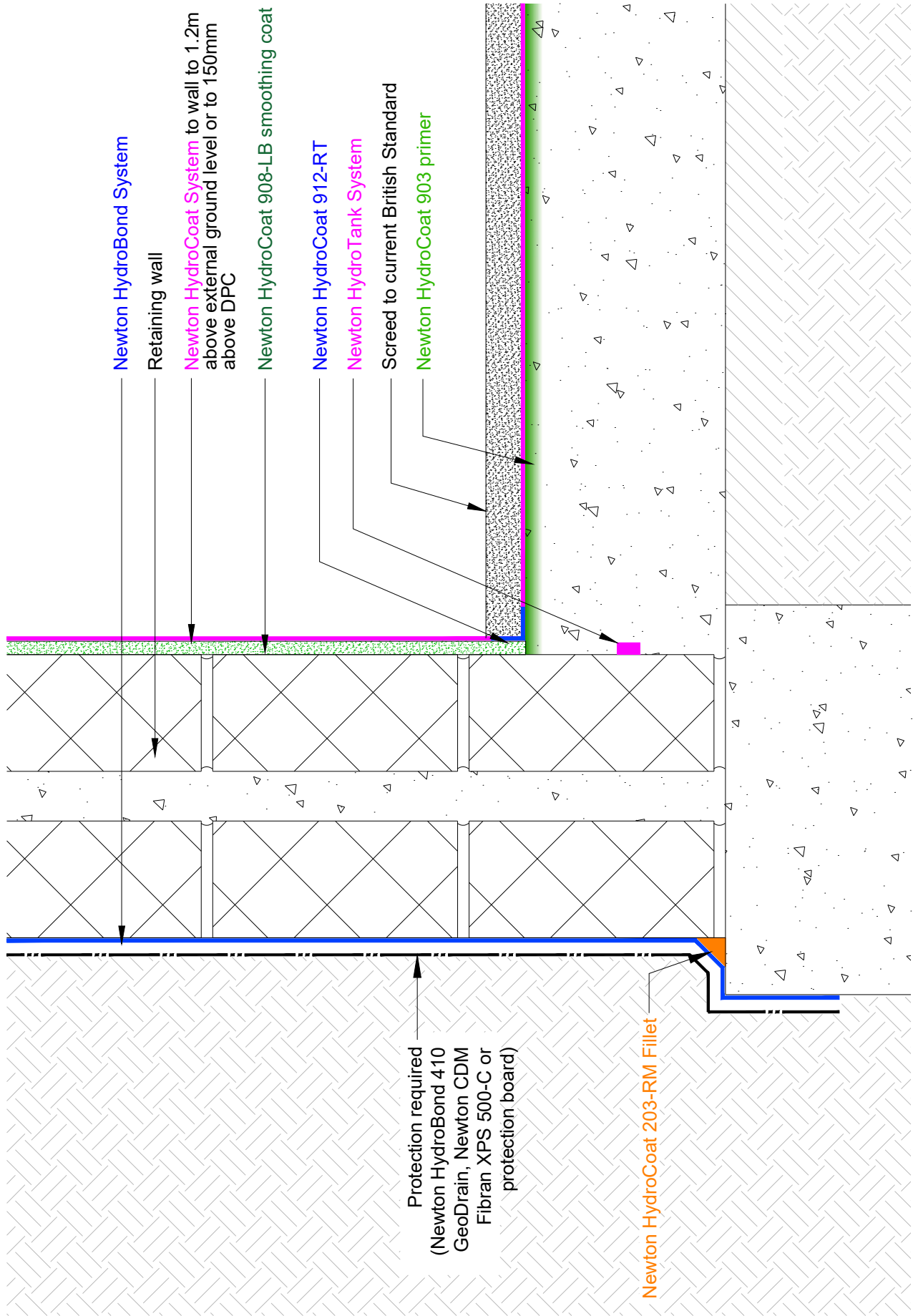
A-RATED INSURANCE

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.

AA-01

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AA-01 SPECIFICATION OUTLINE

Combined Waterproofing of Block Walls

NEWTON WATERPROOFING SOLUTION - AA-01

Specification	AA-01
Description	Internal and external waterproofing to block wall. No gas protection.
Build	Block in two skins, with reinforced concrete core, supported from strip foundations. Reinforced concrete slab designed by an engineer with maximum permissible through crack width of the concrete conforming to BS EN 1992-3:2006, tightness class 1. As required by BS 8102:2022 for grades 1b and higher.
NEWTON HYDROCOAT SYSTEM	Type A, internally applied waterproofing system.
NEWTON HYDROBOND SYSTEM	The Newton HydroBond System provides a complete and continuous waterproof barrier to the external surface of any below ground structure
NEWTON HYDROTANK SYSTEM	All construction joints (day joints, shrinkage joints, movement joints etc) should be waterproofed with Newton HydroTank System waterbars to limit water ingress thorough joints in the structure.