

Type A Waterproofing

E-A-01 SPECIFICATION SHEET

Internal Waterproofing of Existing Structure

Rev 3.0 - 02 July 2021



BUILD

WALL CONSTRUCTION:

Existing Brick

FLOOR CONSTRUCTION:

Existing Concrete Slab

NWI SCORE



This specification employs 1 form of waterproofing (Type A - Barrier Protection) to provide the desired internal environment. The effectiveness of the waterproofing is dependent on the Type A system being effective, especially at the construction joints.



SPECIFICATION

TYPE A APPLIED INTERNALLY

Waterproof the structure with [Newton HydroSeal 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.

NOTES

To improve the NWI score and provide a grade 3 environment install [Newton CDM System](#) as per Newton Specification Sheet E-CA-04.

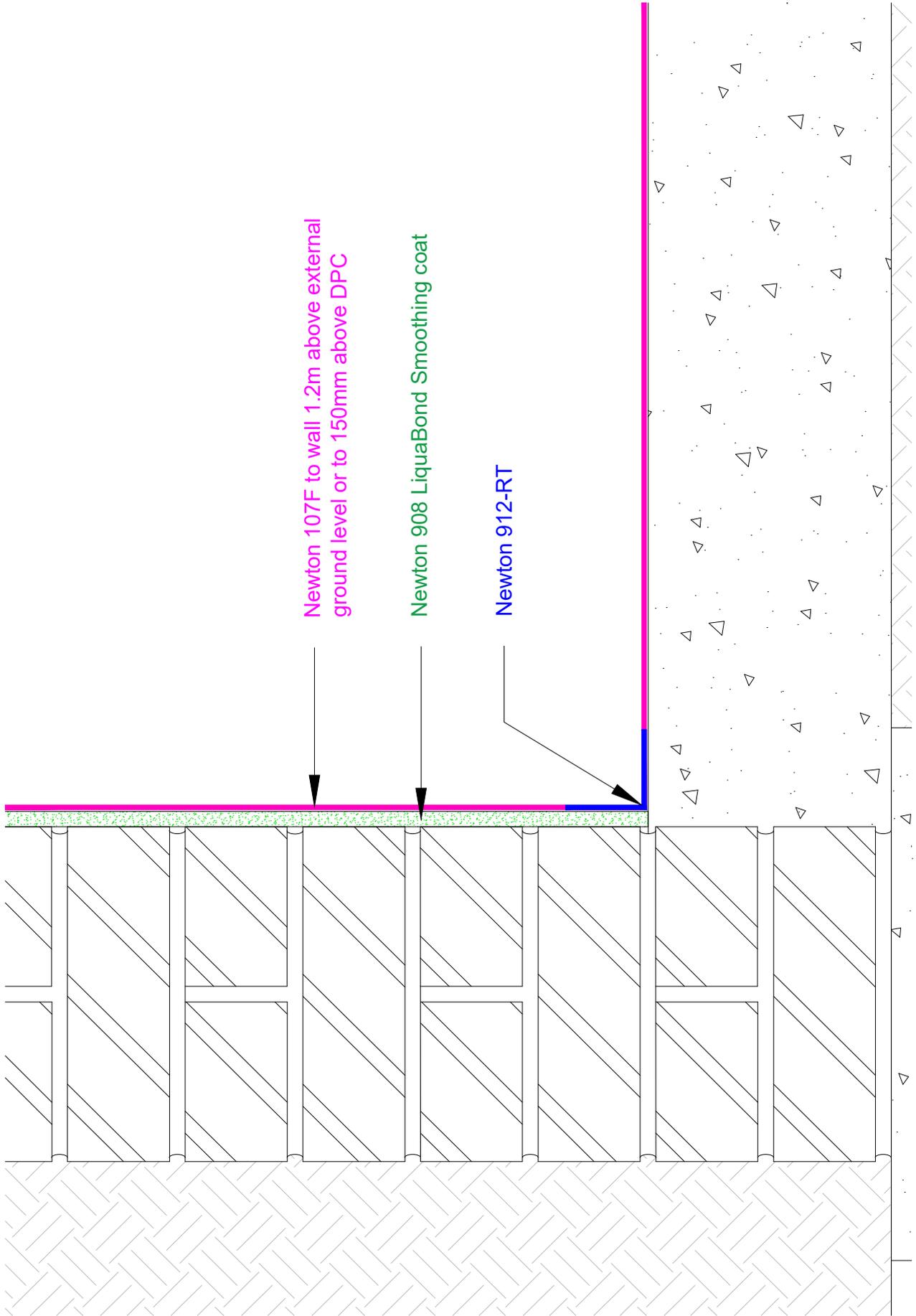
The detailing of other building elements and termination details are available within the Newton Waterproofing specification library.

A-RATED INSURANCE

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

E-A-01

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E-A-01 OUTLINE SPECIFICATION

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The following specification provides 1 form of waterproofing

Specification	E-A-01
Description	Internal waterproofing to existing concrete slab and Existing Brick wall structure. No gas protection.
Build	Concrete slab placed within brick walls supported from existing foundations.
NEWTON HYDROSEAL SOLUTION	Type A, internally applied waterproofing system.
Newton 107F	
Substrate Preparation	
Walls	Existing brick will require grit blasting or scabbling to ensure all surface contaminants are removed and that a good 'key' is achieved. If required apply a Newton 908 LiquaBond smoothing coat Render 3 parts sand, one part cement. For a rubble wall a stainless steel EML is plugged and screw fixed at 150mm centres to the random rubble wall and rendered to provide a suitably stable substrate to accept the Newton 107F waterproof coating.
Floor	Concrete floors should be ground or sand blasted to remove laitance.
Application	Install the barrier membrane as described in the product Installation Manual Brush, roller, spray, squeegee, trowel or pin leveller apply as described within the product data sheets in one coat of 2mm.
Priming	
Newton 107F	Porous surfaces should be sealed with Newton 903-P .
Environmental requirements	Do not apply at temperatures lower than +5°C or higher than +30°C. With Newton 109-LM, the overnight temperature must not be below +5°C.
Protection	
Newton 107F	Required, Please check the datasheet for the full list of options
Floor preparation:	
Surface cracks (dead)	Fill with fine filler or 901-P mixed with sand and/or scrim with plasterers scrim
Surface Cracks (live)	Treat as movement joint - see below
Small holes or slight surface damage	Repair with appropriate filler
Joints	
Movement Joints and Isolation Joints	IMPORTANT: Movement and isolation joints should be avoided if possible as they are very difficult to waterproof. If they need to be included, please speak to the Newton Technical Department who will confirm an exact specification for the joint.
Ancillaries	
Newton 908 LiquaBond	Bonding agent and waterproofing admixture for sand/cement mortar.
Newton 903-P	Primer for concrete
Newton 912-RT	Reinforcement Tape to reinforce changes in direction and static joints.

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E-A-01 NBS CLAUSE

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

NEWTON J10 - NEWTON HYDROSEAL SYSTEM

[J10 Designed joints in in situ concrete](#)

120A CEMENTITIOUS COATING

Newton 107F

Cementitious coating for the waterproofing and protection of concrete and masonry. Can be spray-applied so ideal for large projects. Suited to the waterproofing of reservoirs, tunnels, water tanks, basements, podium decks, flat roofs and balconies.

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[Please click here to download the full Newton 107F NBS Clause](#)