

Type A Waterproofing

A-05 SPECIFICATION SHEET

External Waterproofing of Contiguous Piles

Rev 4.0 - 24 April 2023

BUILD

WALL CONSTRUCTION:

Contiguous Piles

FLOOR CONSTRUCTION:

Reinforced Concrete Slab

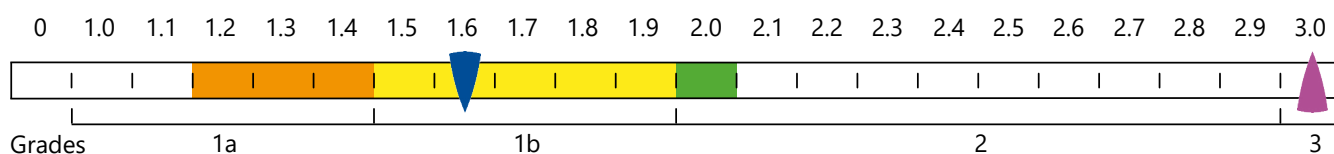
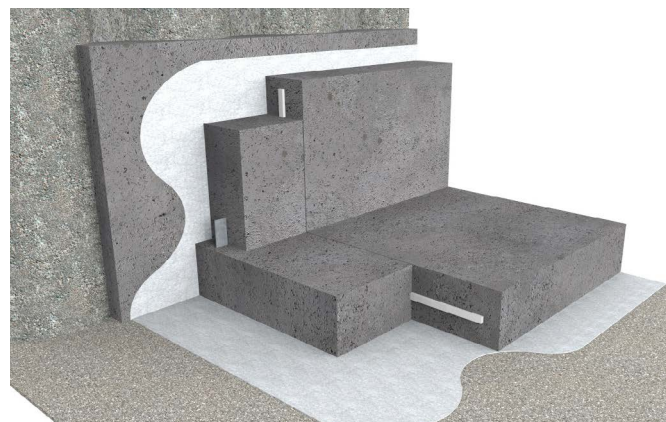
SITE:

Flat


NWI SCALE

Waterproofing solutions can only achieve environmental Grades 1a, 1b or 2.

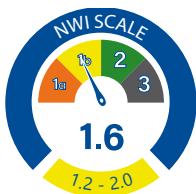
Refer to page 5 of the Newton Design Philosophy.



 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) to prevent ground water passing through the structural elements of the building to ensure that the desired internal environment is achieved. The success of the waterproofing is dependent on the Type A barrier membrane being 100% effective.



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.

NOTES

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.](#)

SPECIFICATION

ANCILLARIES

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

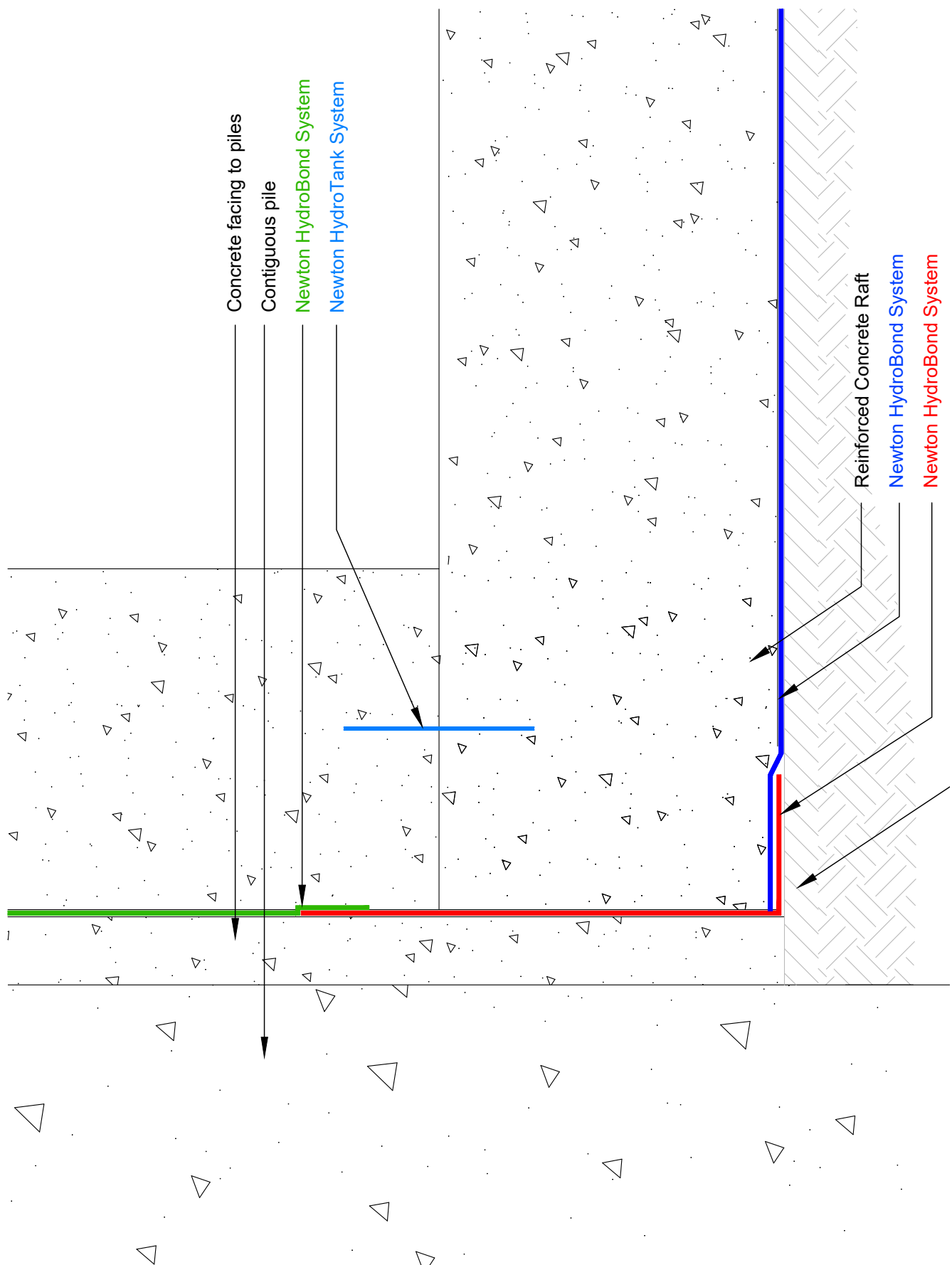
TYPE A APPLIED EXTERNALLY

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.

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.



Type A Waterproofing

A-05 SPECIFICATION OUTLINE

External Waterproofing of Contiguous Piles

Specification

A-05

Description

Single waterproofing to Reinforced concrete structure. No Gas Protection.

Build

Contiguous piled walls, Reinforced concrete walls supported from an RC raft 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 BS8102:2022 for grades 1b and higher.

NEWTON HYDROBOND SYSTEM

The Newton HydroBond System provides a waterproof barrier to the external surface of any below ground structure.

NEWTON HYDROTANK SOLUTION

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.