

Newton Waterproofing Systems



Newton House, 17-19 Sovereign Way, Tonbridge, Kent, TN9 1RH

www.newtonwaterproofing.co.uk

James Hughes, Tel: +44 (0)1732 360095, james@newtonwaterproofing.co.uk

CPD Overview



Available CPD Material (11)



Structural Waterproofing Design Strategies to BS 8102: 2009

This seminar focuses on the different forms of structural waterproofing systems on the market and how to waterproof to achieve the environment grade required within BS8102:2009.

A focus on new build (concrete) structures and how combination waterproofing systems are specified for below ground environments

Specific section detailed discussion on how different waterproofing designs interface with below ground structures

Material type: Online Learning, Seminar

RIBA Core Curriculum: [Design, construction and technology](#)
[Legal, regulatory and statutory compliance](#)
[Sustainable architecture](#)

Knowledge level: General Awareness



Multiple formats

Principles of 'Type A' Barrier Waterproofing to the New British Standard 8102:2022

Type A waterproofing is defined by British Standard 8102:2022 as “barrier protection” which is applied to either the internal or external surface of a structure in order to resist the pressure of water trying to enter the building. This CPD therefore presents and considers the most relevant points to consider in specifying and installing Type A waterproofing. This includes: A review of the principles of the British Standard and what has changed in the new BS 8102:2022 version regarding Type A waterproofing; Principles of Type A membranes, from historic issues & failures to contemporary designs for Type A solutions; an introduction to both post-applied and pre-applied external membranes; internal Type A membranes; and the importance of good detailing and specialist application.

Material type: Online Learning, Seminar

RIBA Core Curriculum: [Design, construction and technology](#)
[Legal, regulatory and statutory compliance](#)

Knowledge level: General Awareness



Multiple formats

Achieving Continuity in Concrete Waterproofing to the New British Standard 8102:2022

The seminar provides an overview of 'Type B' waterproofing, the predominant form of water resistance where the structure itself is constructed to be integrally waterproof.

This includes:

What guidance and requirements are offered by BS 8102:2022, the updated code of practice for the 'Protection of Below Ground Structures Against Water Ingress'

How to ensure that your below-ground structure is watertight, using the predominant waterproofing products available in the UK.

Techniques for ensuring the continuity of Type B waterproofing.

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**
Legal, regulatory and statutory compliance

Knowledge level: General Awareness



Multiple formats

A Designers' Guide to Type C (Drained) Waterproofing Protection to BS 8102:2022

Type C, cavity drain waterproofing systems are considered to be the most highly recommended, reliable and risk-free type of waterproofing where an internal environment must be 100% dry. Where it is accepted that water could enter a building, Type C systems work differently from Types A and B in that, instead of holding back water pressure, they depressurise and manage the water away from the structure. This CPD provides insights into how these systems have evolved and developed over the years, how the significant 2022 update to the British Standard for waterproofing has affected the design of Type C systems, and the importance of factors such as maintainability and sustainability.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**
Legal, regulatory and statutory compliance

Knowledge level: General Awareness



Multiple formats

Waterproofing Design Strategies to the New British Standard 8102:2022

This CPD provides an overview of the modern methods that are available for protecting below ground structures from water, including: an explanation of the updates that have been made as part of the new 2022 version of the British Standard for waterproofing, BS 8102; the different forms of structural waterproofing systems in the market and how to achieve the environmental grades outlined within British Standard 8102:2022; and a focus on how combination waterproofing systems are specified in below-ground structures in order to achieve the desired environment.

Material type:	Online Learning, Seminar
RIBA Core Curriculum:	Design, construction and technology Legal, regulatory and statutory compliance
Knowledge level:	General Awareness



Factory Tour – Structural Waterproofing Products and Systems

The purpose of this factory tour and presentation is to educate the specifier on their design obligations within the UK structural waterproofing industry in accordance with British Standard BS8102:2009. On the tour you will see how cavity drain membranes are prepared and dispatched using recycled packing materials and how the component parts are assembled. The CPD presentation will help you to understand the following topics:

- The importance of British Standard BS8102:2009 and how to design a waterproofing system
- The types of systems available to protect structures internally and externally
- The different grades and standards of waterproofing in the UK
- Why basements fail and how to remedy problems
- The importance of using an approved contractor to carry out structural waterproofing

Material type:	Factory Visit
RIBA Core Curriculum:	Design, construction and technology
Knowledge level:	General Awareness



Multiple formats

A Designers Guide to Internal Basement Waterproofing in Accordance with BS 8102: 2009

This CPD provides an overview of design requirements in accordance with current legislation, British Standards and NHBC standards in relation to waterproofing in the UK. It will help you to understand the following topics:

- The three types of waterproofing systems and how to define the environmental grades of waterproofing
- The evolution and development of cavity drain membrane systems and base drain perimeter drainage within the UK waterproofing industry
- The importance of designing maintainable systems in line with British Standards and insurance company requirements
- Type C systems and the importance of managing water ingress with passive or mechanical systems
- The sustainability and recycling issues
- The importance of using a waterproofing design specialist and specialist contractors

This CPD can be delivered to you live and remotely.

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology
Legal, regulatory and statutory compliance
Sustainable architecture

Knowledge level:

General Awareness



Structural Waterproofing Design Strategies to BS 8102: 2009

The aim of this article is to provide you with a technical insight into the modern world of structural waterproofing in the UK. This includes the types of systems that are used to protect below-ground structures from water from the ground, all of which are driven by the code of practice for the waterproofing industry, British Standard 8102:2009.

Material type:

Article

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

Microlearning



A New Concept for Below Ground Waterproofing

This seminar will provide the listener with insight into the new techniques that are now being utilised with the structural waterproofing industry, focusing on Type C drained protection systems in refurbishment and new build structures.

In addition the seminar will be a detailed introduction of designing a basements waterproofing system to BS8102:2009 and how CDM systems comply.

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology
Health, safety and wellbeing
Legal, regulatory and statutory compliance

Knowledge level:

General Awareness



Thermal Insulating Plaster Systems

This seminar aims to:

- Inform the listener on how and why we insulate buildings
- Give a brief overview of current COP and current government policy on the energy performance of buildings and current and future initiatives
- Give listeners an overview of what different insulation systems choices are available with a particular focus on environmentally friendly options i.e. cork based insulation plaster systems
- Demonstrate how these cork based systems are applied internally and externally

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**
Sustainable architecture

Knowledge level: General Awareness



Multiple formats

Principles of External Waterproofing to British Standard 8102:2009

Type A waterproofing is a form of “barrier protection” applied to either the internal or external surface of a below-ground structure in order to resist the pressure of water trying to enter the building. However, there are a wide range of different Type A products available on the market, and the correct choice is dependent on a number of factors. With so many aspects to consider, this CPD aims to provide attendees with a guide to the most pertinent and relevant considerations when specifying Type A waterproofing. By the end of the presentation you should have a greater understanding of:

- How to distinguish between Type A waterproofing and other forms of waterproofing
- What recommendations are given by BS 8102:2009 regarding Type A waterproofing
- How to distinguish between the different kinds of Type A membranes and their main benefits/drawbacks
- How important aspects such as the method of construction will impact the Type A waterproofing
- How to avoid common mistakes that have lead to historic failures in Type A systems

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**
Legal, regulatory and statutory compliance

Knowledge level: Detailed Knowledge
General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Substructure

Floor beds, ground floors, basements > Proofing services

Structure

External walls > Damp-proof course membranes, cavity trays, flashings

Finishes

Wall finishes: external > External wall coatings

Floor finishes: jointless > Resin-based flooring

Roof finishes > Roof finish underlays and insulation

Services

Drainage > Drainage and sewage pumps

General products

Flexible proofing/separating sheet membranes > Foils, building papers, sheet dp membranes

Plaster, render > Plasters and renderings

Paints, varnishes, protective treatments etc. > Special paints, coatings, films

Engineering

Disposal systems > Below ground drainage systems

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*

Health, safety and wellbeing

Knowledge level: *General Awareness*