

Delta Membrane Systems Ltd



Delta House, Merlin Way, North Weald, Epping, Essex, CM16 6HR

www.deltamembranes.com

Information, Tel: +44 (0)1992 523523, info@deltamembranes.com

Technical, Tel: +44 (0)1992 523523, technical@deltamembranes.com

CPD Overview

Delta Membrane Systems Limited provides a full range of waterproofing and damp proofing solutions for architects, specifiers, developers, contractors and homeowners on new, retrofit and refurbishment construction and in flood resilience.

We also supply ground gas protection membranes protecting structures from harmful ground gases such as radon, carbon dioxide, methane and hydrocarbons.

With over 125 years of manufacturing experience Delta is an impeccable partner on every project. Our skills have been mastered through experience in the waterproofing industry. Delta's Technical Team will help from concept to completion. Our hands-on approach and knowledge are what sets us apart.

Installing a Delta Membrane System offers complete protection to structures from ground water ingress and contaminants. Our products comply with British Standard 8102:2009, 8485:2015+A1:2019 and 85500:2015 and are BBA certified.

Delta offers waterproofing design assistance to construction professionals and specialist contractors. Our technical staff have waterproofing design qualifications and can offer a full waterproofing design to encapsulate the building envelope.

Our projects include commercial and residential developments, new-build and refurbishment, civil infrastructure projects and domestic basements. Our nationwide network of Delta Registered Installers offers a fully guaranteed installation service.

BBA approved and ISO accredited.



Available CPD Material (5)



Waterproofing: BS:8102: 2009 The Protection of Below Ground Structures Against Water from the Ground

This seminar aims to cover waterproofing in the refurbishment sector, and how this relates to the code.

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



Reducing Risk in Type C Systems Using Predictive Maintenance

The aim of this presentation is to provide architects and designers with a deeper understanding on the concepts of utilizing predictive maintenance and reducing risk within Type C systems. It explores the benefits of using predictive maintenance in below ground applications and the use of technologies. It also covers important insights when designing a robust waterproofing solution. This CPD will help you to understand the following topics:

- Understand what is a Type C cavity drainage system
- Understand design principles for a Type C cavity drainage system and how to minimise and mitigate risk in the design process
- Understand definitions of ground and surface water and explanations of ground and surface water behaviour
- Understand pump and alarm systems and how to minimise and mitigate risk for sump pump failure
- Understand predictive maintenance and continuous monitoring
- Understand the benefits of using predictive maintenance in below ground applications
- Understand facts about Big Data and analytic software and its benefits
- Understand dynamic servicing and its benefits in reducing risk

Material type: Seminar
RIBA Core Curriculum: **Design, construction and technology**
Knowledge level: General Awareness



Flood Resilience

The aim of this CPD presentation is to provide architects and designers with a deeper understanding of the concepts of flood resistance, resilience and recoverability. Exploring flood resilience, resistance and recoverability and the use of technologies which have been used historically in below ground structural waterproofing in a variety of different situations from domestic to commercial structures. In addition, the CPD covers important insights for architects and designers when designing a robust flood resilient solution. It will help you to understand the following topics:

- Understand what flood resilience is
- Understand flood risk management
- Understand assessments of flood water into buildings in relation to British Standard BS85500: 2015
- Understand flood resilience, resistance and recoverability
- Understand design principles
- Understand solutions available

Material type: Seminar
RIBA Core Curriculum: **Design, construction and technology**
Knowledge level: General Awareness



Waterproofing Below Ground Structures to BS8102:2009

This seminar is designed to help you design and specify waterproofing to British Standard BS8102: 2009. It will help you to understand the following topics:

- Understand the forms or types of waterproofing available covering types A, B and C and their placement
- Understand the correct selection and options for waterproofing applications
- Understand the grades of waterproofing protection
- Understand the importance of using a waterproofing specialist
- Understand common problems, why they can occur and how to design out risk
- Understand the available technology in the basement protection market

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



Water and Water Vapour Management in Sub and Super-Structure Applications

Experience has shown that specifiers and designers could be better informed about the practical operation of drained cavity membranes and particularly the need for mechanical drainage - sump and pump - requirements to complete the installation. This seminar describes the use of drainage membranes in new build and refurbishment applications. It also illustrates how such membranes can be used to reduce the ground water pressure acting upon a basement structure.

Material type:	Seminar
RIBA Core Curriculum:	Design, construction and technology Sustainable architecture
Knowledge level:	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

Roof finishes > Roof garden systems

Roof finishes > Roof finish underlays and insulation

Services

Drainage > Drainage and sewage pumps

Drainage > Channels, gullies and gratings

General products

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

Flexible proofing/separating sheet membranes > Separating membranes, geotextiles

Engineering

Disposal systems > Above ground foul drainage systems

Disposal systems > Below ground drainage systems

General engineering services > Pumps

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*