

sympathetic solutions for heritage structures

*Monuments and historic buildings represent our heritage, these structures have witnessed the evolution of modern society. Collectively, the term heritage may arise from personal connections, actions, ideas or empathy. Having inherited these structures from previous generations, **Delta Membranes** believes that it is our duty to preserve and to trust these structures for future generations...*



When designing a waterproofing or damp proofing solution for historic building or structure of architectural interest, the design should offer a sympathetic approach ensuring aesthetics and structural integrity are maintained.

Determining how the building envelope operates gives a clear picture on the best method for remedial solution. How the exterior and interior interact with environments and these functional purposes must be understood not to endanger the operation of the envelope.

Every building and structure's envelope is unique and design considerations should incorporate an holistic approach that encompasses:

- The building/structure
- The defects
- Materials within the structure
- Does the structure have historical/architectural significance?
- Building Regulations
- Listing requirements
- Future maintenance requirements
- Occupants requirements

The Delta system has been specified in numerous buildings and structures in both grade 1 and 2 listed and of historic value throughout the United Kingdom due to its sympathetic advantages. Delta's air gap technology is favoured by English Heritage, The Society for Protection of Ancient Buildings (SPAB) and local authority conservation officers.

The Delta Membrane System itself does not need any aggressive preparation, therefore it

will not create damage to historical or heritage structures. The Delta Membrane System is a reversible system, which can easily be removed at any time, retaining the structure underneath intact.

A Delta System is not a replacement for lime render. The Delta Membrane System is a compromise, for when lime renders are inadequate in given situations, for example on below ground structures, on structures that have heavy salt contamination and on structures that cannot be effectively repaired and water/damp-proofed sympathetically and adequately from the outside (for example where there are architectural features that cannot be altered).

Delta's trained design consultants will work with you to achieve the best results for your project. If you want the company to look after everything from design, supply and Installation, it can and with this option you receive Delta's insurance-backed warranty. As a manufacturer of quality systems, it is imperative to work with quality installation companies. Delta prides itself on its team of highly qualified, reliable approved Registered Installers who operate throughout the UK, and specialise across the sector.

Delta, along with its elite team of Registered Installers has the experience and knowledge to undertake waterproofing and damp proofing works for historical buildings.

Delta projects include museums, royal residencies, colleges, Grade 1 and 2 listed properties, vaulted structures, The London

Underground, tunnels (such as the English Channel and Gotthard), forts and castles, country estates, barn conversions, observatories, broadcasting institutions and parliamentary buildings

About Delta

Delta Membrane Systems 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. It also supplies 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. The company's skills have been mastered through experience in the waterproofing industry. Delta's technical team will offer assistance from concept to completion. Its hands-on approach and knowledge is what sets the company apart.

Customer support

Delta is always happy to help. Specifications are an incredibly important part of construction projects. Specifications must comply with the broad legal obligations and it is equally important that each specification is drafted by an appropriately skilled person with knowledge of the specific subject matter. Delta's CSSW qualified technical team is always on hand to ensure your specifications are suitable for each project and delivered in a timely manner.

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Design Service

When specified with the correct systems, all types of installations are possible, however the design needs careful consideration and a CSSW qualified waterproofing design specialist should always be consulted at the earliest opportunity. Creating original and effective solutions is **Delta Membranes'** speciality. The technical team are members of the structural waterproofing design register, offering the comfort that each waterproofing design specialist is at the top of their field.

Education

Delta Membrane Systems is committed to offering training and education programmes that develop skills and knowledge within the sector and continually promotes standards within the industry. The company's focus is to provide training courses which deliver long-term value to all who attend. Delta also offers customised training solutions for all levels of your organisation's needs. Why not take advantage of staying in a positive way and keep your training moving forward during COVID19 with Delta's live online CPD seminars. Upskill in an exciting and accessible format that you can complete from home. Join the company every Tuesday and Thursday at 11 am. From RIBA accredited CPD's to *How To* guides – please do get in contact.



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Brochures

Delta's brochures offer a lot of information for their size. Don't just take it from us, visit the website to see for yourself: www.delta-membranes.com/technical/delta-brochures/. All brochures are free to download with hard copies available. The brochures focus on best practice and design considerations with a snapshot of the products and services available.

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Materials

Product research and development and technical developments are the heart of **Delta**. The company is proud to be a member of a number of industry associations and professional bodies along with accreditations held for its products.

Adjusting and adapting during COVID19

Delta has been at the helm of shifting all things waterproofing online. To help keep customer projects moving, the company has introduced real-time software to enable the technical team to offer video conferencing, CPD seminars, training workshops, document exchange and to ensure it maintains its approachability and the ability to collaborate with entire teams, no matter where they are. Delta's technical team is on hand to assist with specifications and project queries. While the company is working remotely, contacts are all available via email, phone (whether it be calling, Facetime, Video via WhatsApp or Zoom). The company hopes to serve customers as close to business as normal as it can and where it cannot it is keen to explore and find ways that it can.

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The entire #DeltaTeam would like to send a heartfelt thank you to all the key workers who are working tirelessly from delivery drivers to care workers. The team appreciate all your efforts in this pandemic for the betterment of our communities.