



Press Release
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Delta Membranes leading in waterproofing design and expertise

Waterproofing design is a crucial aspect of any construction project, and Delta Membranes is at the forefront of this essential field. It involves the implementation of various methods and materials to prevent water from penetrating a building or structure. This discipline requires a deep understanding of both construction and the physical properties of water. It is a phenomenal area of expertise, as efficient waterproofing design can significantly increase the longevity of a building and protect it from potential water damage, a goal that Delta Membranes continually strives to achieve through its innovative solutions and commitment to quality.

Three key stages to successful waterproofing: design, specification, and installation.

Firstly, the design stage. Designing a waterproof structure entails intricate planning and execution, which has evolved beyond the scope of traditional architectural duties. This shift underlines the significance of specialised knowledge in waterproofing design. Ensuring the correctness of the design before the commencement of construction can lead to substantial cost savings.

In the latest Standard, BS 8102:2022, specifically in section 4.2 titled "Design Team", there are significant insights and guidelines. This section provides valuable information that can shape the way design teams operate and innovate. It is a must-read for those in the field, ensuring they are up to date with the most recent standards and practices.

"A waterproofing specialist should be appointed as part of the design team so that an integrated waterproofing solution is created. The waterproofing specialist should:

- be suitably qualified and experienced, commensurate with the type and size of the proposed project*
- be capable of devising solutions that accommodate the various project constraints and needs with an understanding of construction forms and sequencing*
- provide the design team with information and guidance that assists with and influences the design, installation, and future maintenance of the waterproofed structure"*

The Waterproofing Design Specialist, as per BS 8102:2022, needs to possess a variety of expertise. Firstly, they should be knowledgeable about different waterproofing systems. In addition, they must have an in-depth understanding of the BS 8102 requirements. It is important for them to understand the sources of water, how it interacts with the structure, and its flow through the soil. Furthermore, they should have enough structural knowledge to engage meaningfully with a structural engineer. Lastly, they need adequate geotechnical knowledge to interpret a soil report and communicate effectively with a Geotechnical Engineer.

The specification stage follows, a waterproofing specification, or spec, is a detailed written document that outlines the requirements for a waterproofing solution:

- Scope of work: The project's scope, from start to finish
- Materials: The materials required for the project
- Installation: The methods for installing the materials
- Quality: The quality standards for the project
- Timeline: The project's timeline and milestones



- Safety: The national and state safety standards to meet

Specifications are usually created by architects, engineers, or designers, and are often included in the contractual documentation for contractors. They can also be part of the handover information for the project.

Their team of experts specialises in crafting detailed and precise specifications in-house. This team is dedicated to ensuring the utmost quality and accuracy in every project we undertake. This focus allows us to meet and surpass client expectations consistently. From CSSW Reports to NBS Chorus. NBS Chorus signifies a shift in the way data is managed and utilised. NBS Chorus, a cloud-based platform, offers enhanced features such as collaborative working, increased efficiency, and robust data management. This propels us into a modern era of digital information handling.

Finally, the installation stage brings the design to life, ensuring it meets the outlined specifications. Through this comprehensive approach, we ensure each project is meticulously planned and executed.

Delta Registered Installer Network

Delta Membrane Systems Limited specializes in the manufacture, and supply of structural waterproofing solutions, aimed at safeguarding structures worldwide. Delta is known for producing a wide range of quality products and systems, including waterproofing, damp proofing, flood resilience, and ground gas protection. It relies on a network of highly competent, dependable Registered Installers operating across the UK, who are well-versed in our products, their placement and installation.

The Delta Registered Installers are aligned with the company's values, emphasising quality, authenticity, and exceptional customer service. They have a wealth of experience in working with and installing Delta products and systems, assuring a swift, efficient installation process with minimal disruptions. All Delta Registered Installers must meet strict criteria, including the need for training and showcasing quality workmanship before achieving the Registered Installer title. This rigorous process ensures unparalleled technical excellence.

Delta Registered Installers are capable of handling both the design and installation of a Delta system, providing insured installation guarantees for their work. Many of them hold design liability insurance, making them eligible to act as 'Waterproofing Design Specialists' in line with British Standard 8102:2022.

Always Happy to Help

Delta's field Technical Teams are equipped to offer valuable assistance, conducting comprehensive surveys to help you select the most fitting waterproofing system for your project needs. This service ensures the chosen solution suits your specific requirements perfectly.

For all your project requirements, Delta's Technical Team is a dependable resource. Offering expert advice, comprehensive support, and timely practical assistance, they cater to your specific needs.

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