

Delta Membranes

Delta Amphibia



Ensure the ultimate safety of your underground structures with Delta Amphibia, the revolutionary reactive-core waterproof membrane that springs to action upon water contact.

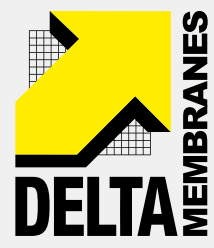


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Delta Amphibia

Delta Amphibia is a unique Self-Healing/Repairing, Self-Sealing, fully bonded Type A waterproofing membrane, utilising its advanced Reactive Core technology, Delta Amphibia will not only Self-Repair in the event of accidental puncture and Self-Heal, but will also Self-Seal.

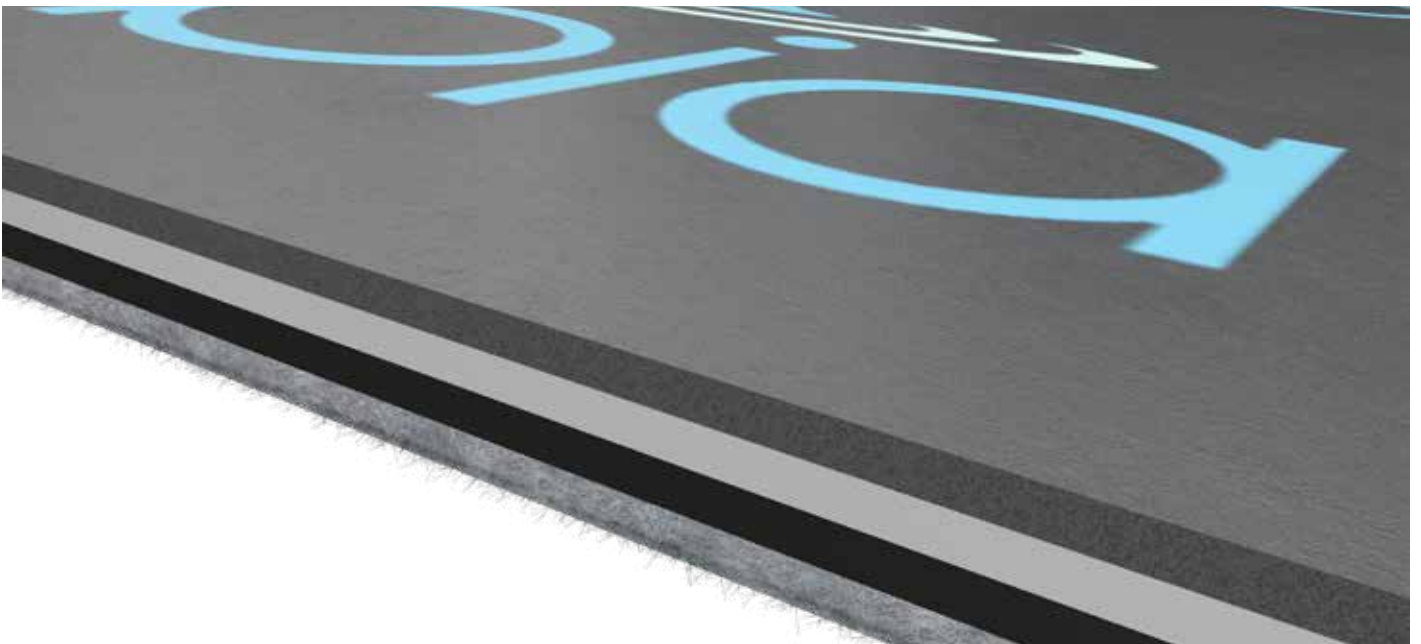
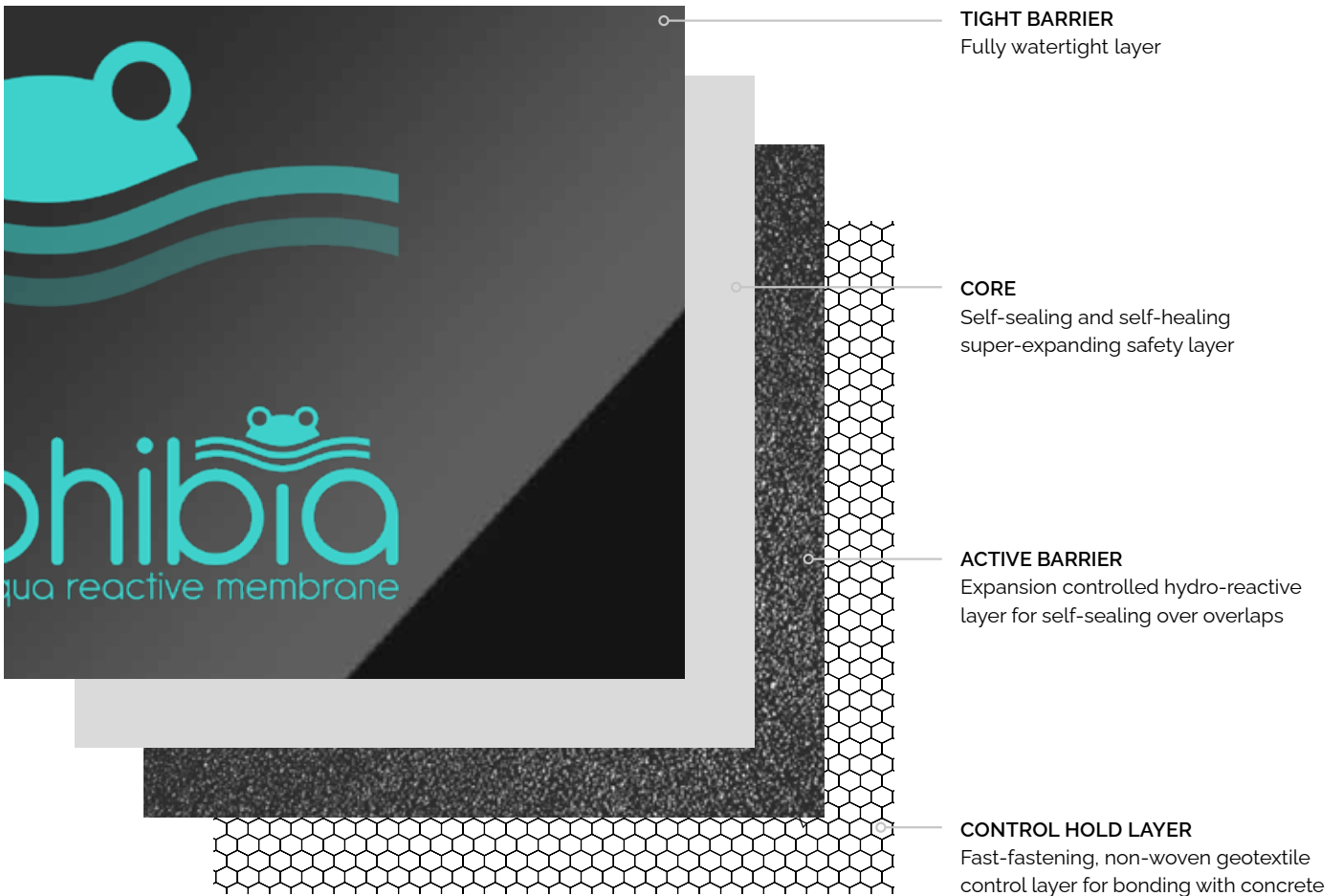
Delta Amphibia is a pre-applied waterproofing membrane which can be installed horizontally and vertically in a Type A waterproofing application.

The unique properties of Delta Amphibia are achieved through four active layers – a watertight barrier, Reactive Core which allows Delta Amphibia to Self-Seal and Self-Heal in the event of accidental damage, an active barrier with the ability to Self-Seal at overlaps resisting lateral movement of water and a strong bonding layer.





Made from 4 unique layers



Fields of Application

Concrete underground structures, like residential buildings, commercial establishments, civil works, shopping centres, and public works, require robust waterproofing.

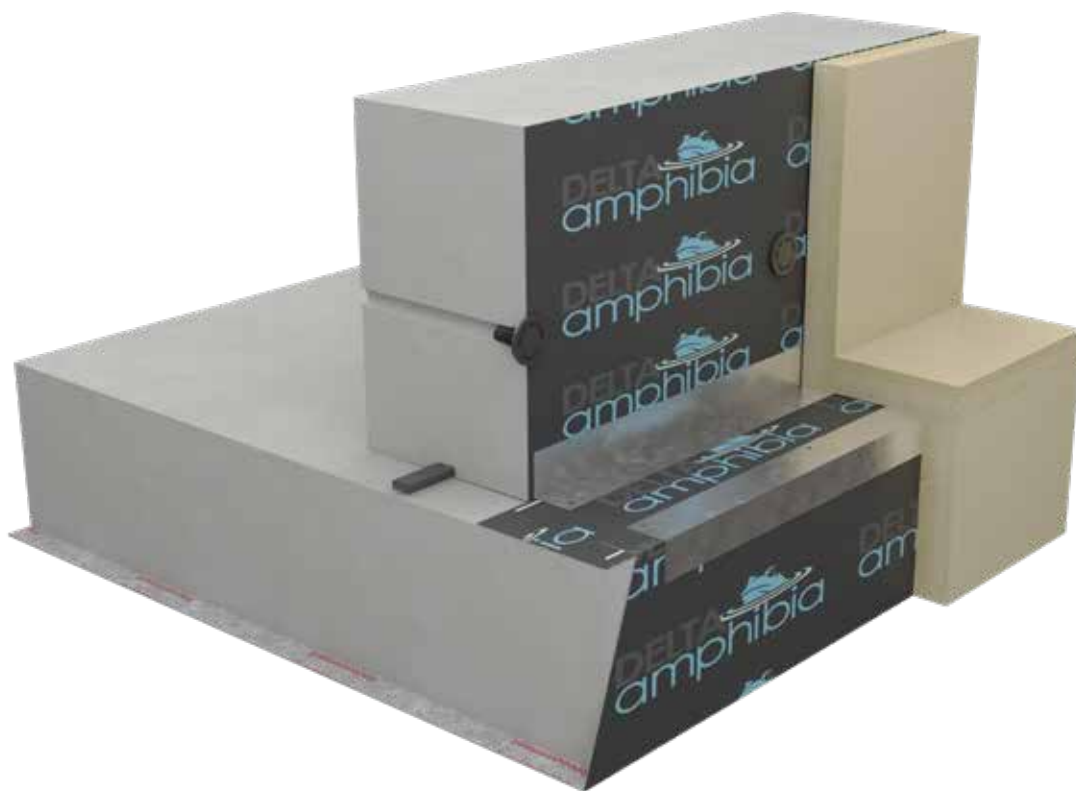
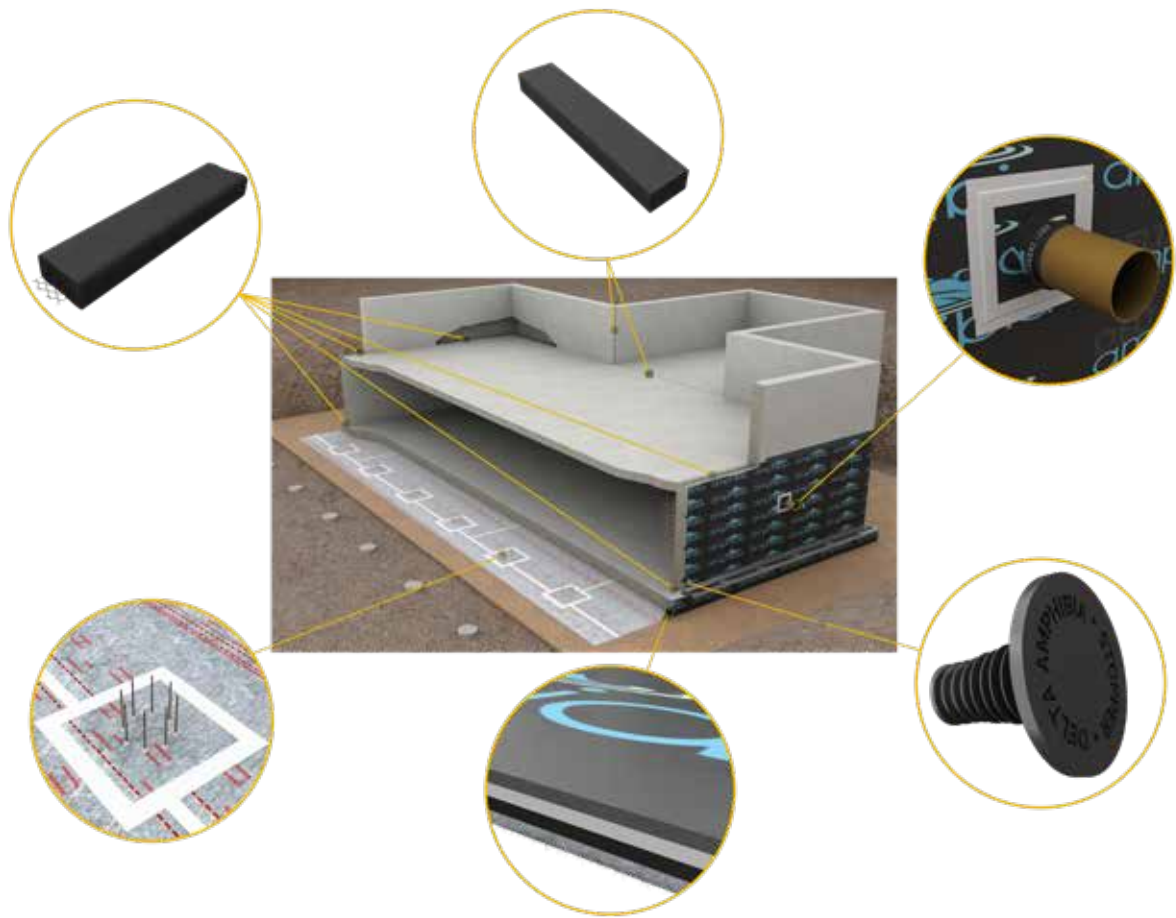
Imagine a waterproofing system that's not just robust, but also flexible enough to fit all your construction needs. Delta Amphibia offers just that.

Delta Amphibia ensures a tight, continuous bond between the waterproofing product and the structure (foundation slabs and walls, against slurry walls, piles, Berlinese or disposable formwork). Furthermore, this waterproofing approach extends beyond underground structures. It's also applicable to different structures such as channels, tanks, purification

Uses:

- Multi-storey underground constructions
- Type A Waterproofing solution for below ground and earth-retained structures
- May be used in all applications, where reinforced concrete structures require protection against groundwater and contaminants
- Used for water pressure-tight surface sealing of WU concrete structures
- External barrier, for the waterproofing and protection of floor slabs and exterior concrete wall surfaces against soil moisture
- Foundations
- Basements
- Tunnels
- Retaining Walls
- Cellars, garages, tavern, technical rooms, underground rooms in general
- Tunnels, underpasses, and similar infrastructures
- Inground pool waterproofing
- Elevator pits/lightwells





Features

The unique Self-Repairing function of Delta Amphibia protects structures from water and moisture permeability in the event of accidental puncture. Delta Amphibia's unique Self-Repairing function is activated in the event of Delta Amphibia being damaged.

Delta Amphibia's Active Core offers continuous protection at overlaps. Delta Amphibia has excellent crack-bridging capabilities at places where cracks may occur. When pre-applied (before the concrete pour), the wet concrete is absorbed into Delta Amphibia's fleece Bond Layer, integrally bonding Delta Amphibia to concrete.

Delta Amphibia satisfies all grades of waterproofing in accordance with BS 8102:2022, Table 2 as Type A, Barrier Protection System in accordance with section 8, Type A (Barrier) Protection – Sub Section 8.2.4, Active Core Liners and Table 3, Waterproofing Barriers.

Experience the unparalleled protection of Delta Amphibia, an EPDM pre applied waterproofing membrane that actively reacts with water. Its innovative, self-repairing, self-sealing, and self-fastening features make it an essential addition to concrete structures. Crafted with a co-extruded, multi-layer polymer continuous coat, it ensures total watertightness for underground structures, providing an impervious shield against water seepage.

Don't just settle for any waterproofing solution; choose Delta Amphibia, the membrane that works for you.

Benefits:



Active protection for watertight waterproofing



Self-Repairing, Self-Sealing, Self-Healing, Self-Fastening



Vertical or Horizontal application



Absolute impermeability with no side seepage of water



Immediate mechanical protection, self-repairing also on accidental puncture



High resistance to hydraulic load



High flexibility and capacity to bridge cracks

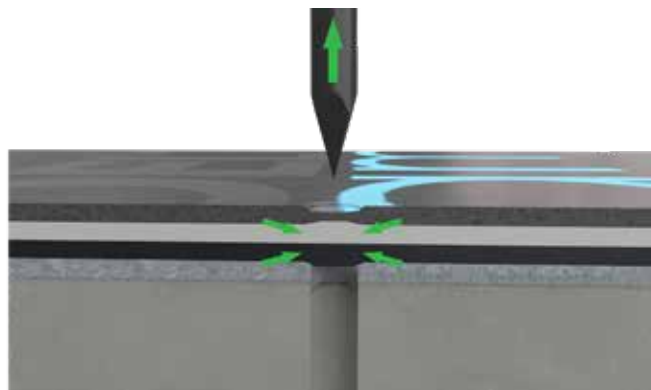
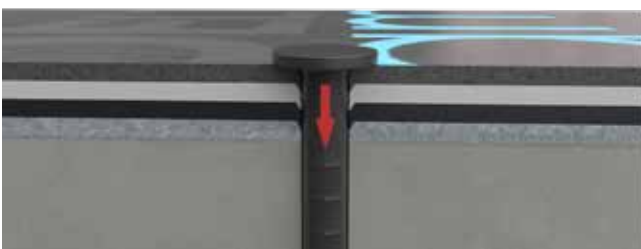


Full mechanical bond to concrete



Extremely flexible – Resistant to movement and fissures in substrates

Self-Repairing | Self-Sealing | Self-Healing | Self-Fastening



Subterranean Structures

Subterranean structures, with their diverse purposes, are an architectural marvel. However, they demand unique solutions to ward off unforeseen complications like water seepage, moisture, or moisture vapour. Ensuring these issues are addressed is crucial to maintain the habitability and reliability of these structures for their intended use. By investing in these specific solutions, you ensure a trouble-free, efficient, and enduring underground structure.

Don't compromise; invest in the right solution today for a robust and reliable subterranean architecture.



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