

# AMPHIBIA

hydro-reactive waterproofing membrane

amphibia  
hydro-reactive membrane



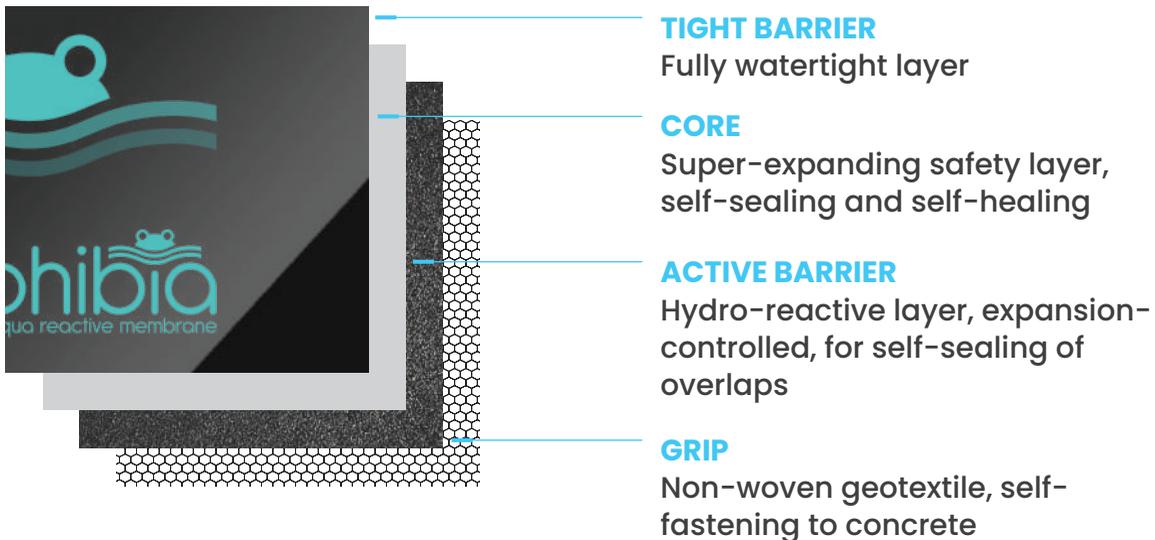
# DEFINITION



**AMPHIBIA is a waterproofing membrane** for pre- and post-casting applications, with a high-performance reactive core. Its multi-layer hydro-reactive structure guarantees continuous, self-sealing and self-repairing waterproof protection over time.

AMPHIBIA self-adheres to concrete, ensuring maximum adhesion and structural safety.

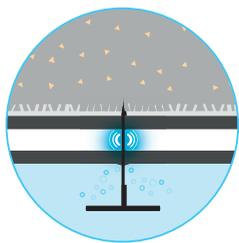
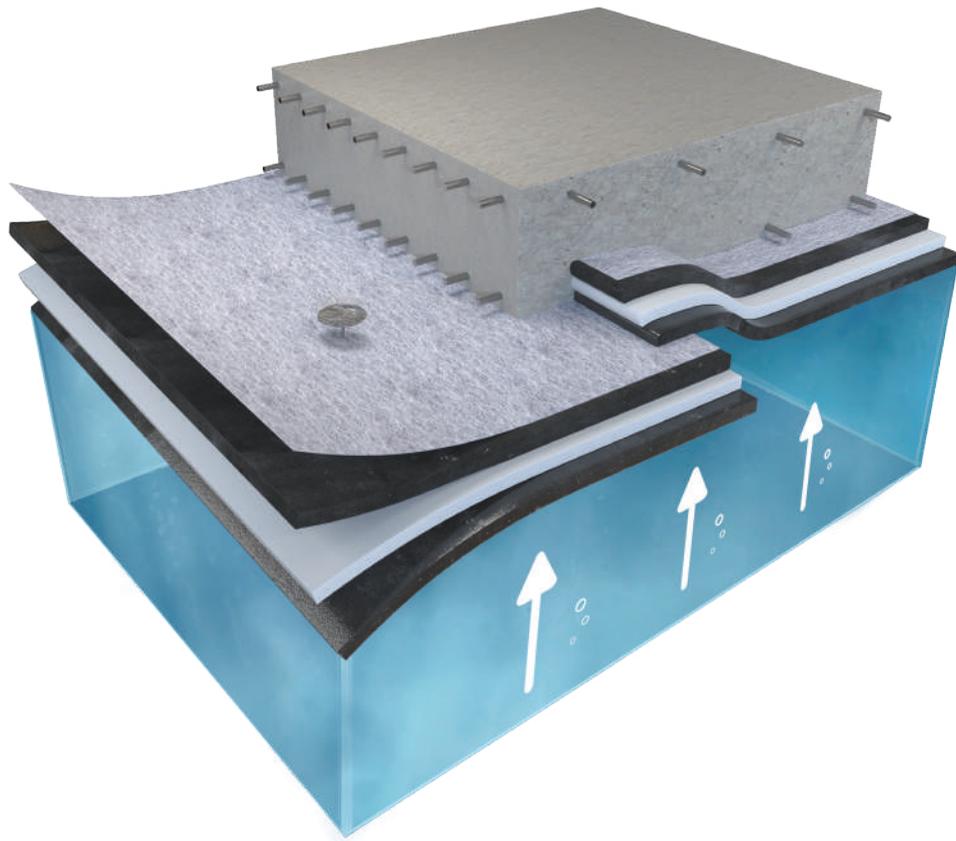
It consists of a continuous co-extruded multi-layer polymeric membrane with differentiated functions, for total watertight sealing of structures against infiltration, humidity and protection from radon and methane gases.



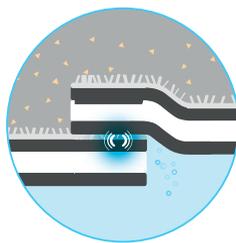
In contact with water the great reactive power of **AMPHIBIA** allows its layers to swell differently, so to achieve the total waterproofing of the structure.

The energy inside the core of the membrane performs a continuous and active waterproofing pressure which keeps dry the structure also in case of punching.

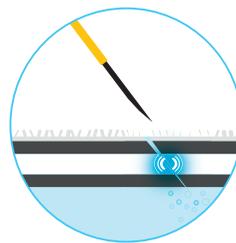
**It's a waterproof life.**



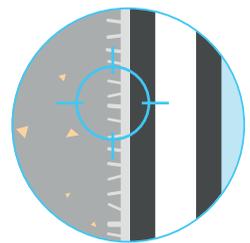
**EASY FIXING  
NO WATER LEAKAGE**



**SELF  
OVERLAPPING**



**SELF  
REPAIRING**



**SELF  
GRIPPING**

# PRODUCT APPLICATION

## Waterproofing and protection of reinforced concrete structures

raft foundations and walls in case of diaphragms, piles, anchored micropiles and formworks.

## Internal tanking of existing underground and semi-underground premises

garages, cellars, storage rooms, caveau, basement rooms, technical rooms.

## Infrastructure waterproofing

underpasses, tunnels, industrial warehouses, car parkings etc.

## Pools and watertanks waterproofing

wellness centers, sports facilities, water tanks, sewage treatment plants.

For other types of installation and special design requirements, contact priorly Volteco Technical Dept.



### UNDERGROUND STRUCTURES

Waterproofing of cellars and basements



### POOL AND TANKS

Waterproofing and water containment

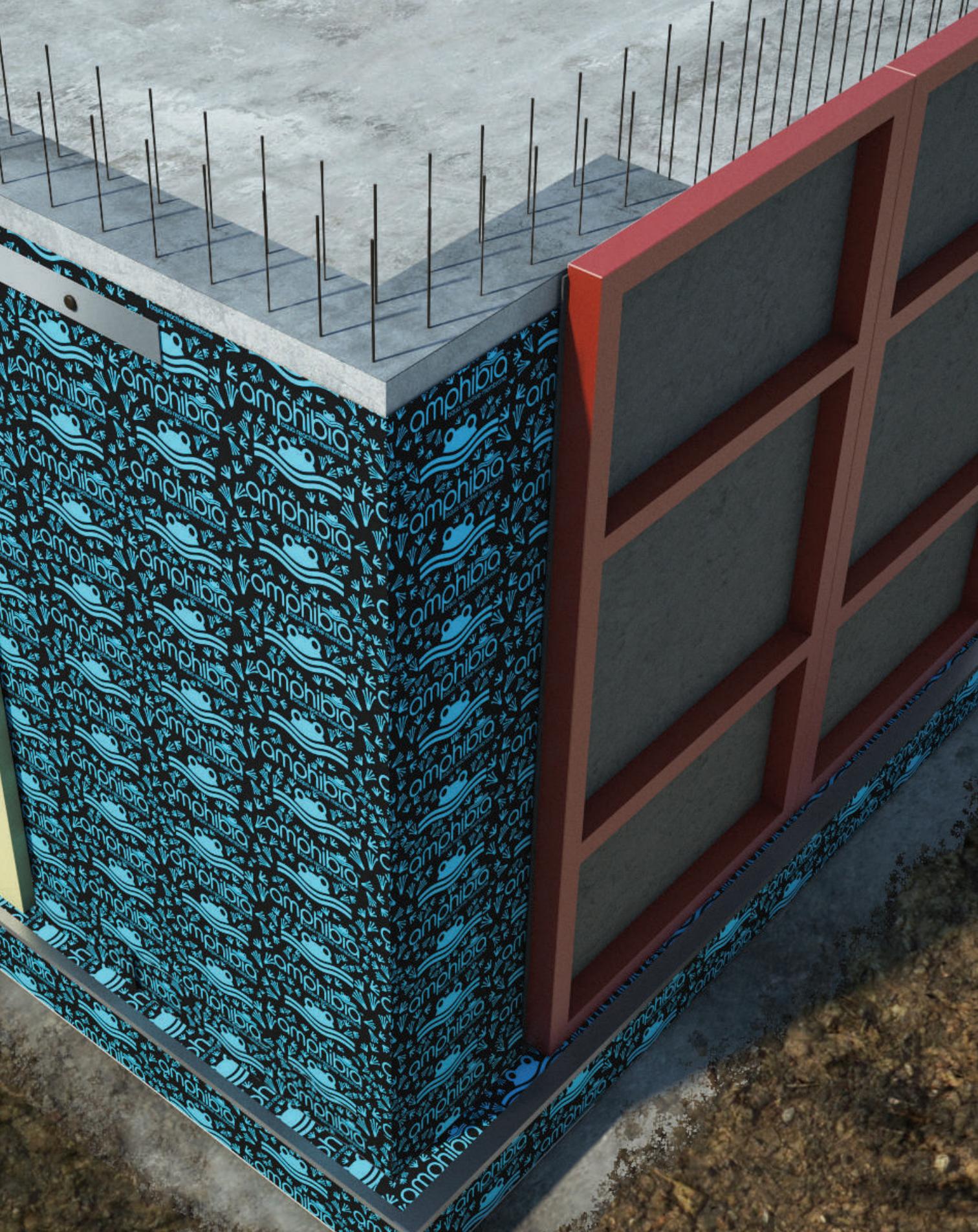


**UNDERGROUND**  
waterproofing experience



Underground Waterproofing Experience: the virtual construction site created to explore Volteco waterproofing solutions in below-ground applications.

**It's a waterproof life.**



# ADVANTAGES

- No lateral water migration
- High resistance to hydraulic load
- High flexibility and capacity to bridge cracks
- Cold application with easy visual inspection of correct installation
- Self-sealing overlappings, self-repairing also on accidental holes
- Protection against radon, methane and steam barrier



## advantages for the client

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Choosing **Amphibia** means choosing the highest qualification in waterproofing. Complete water-tightness and long-term effectiveness are the main factors that determine the choice of investors.



## advantages for the designer

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Choosing **Amphibia** means taking care of details by using a **complete waterproofing system**. Sealing every penetration and every architectural detail are essential aspects in the design and planning phases.

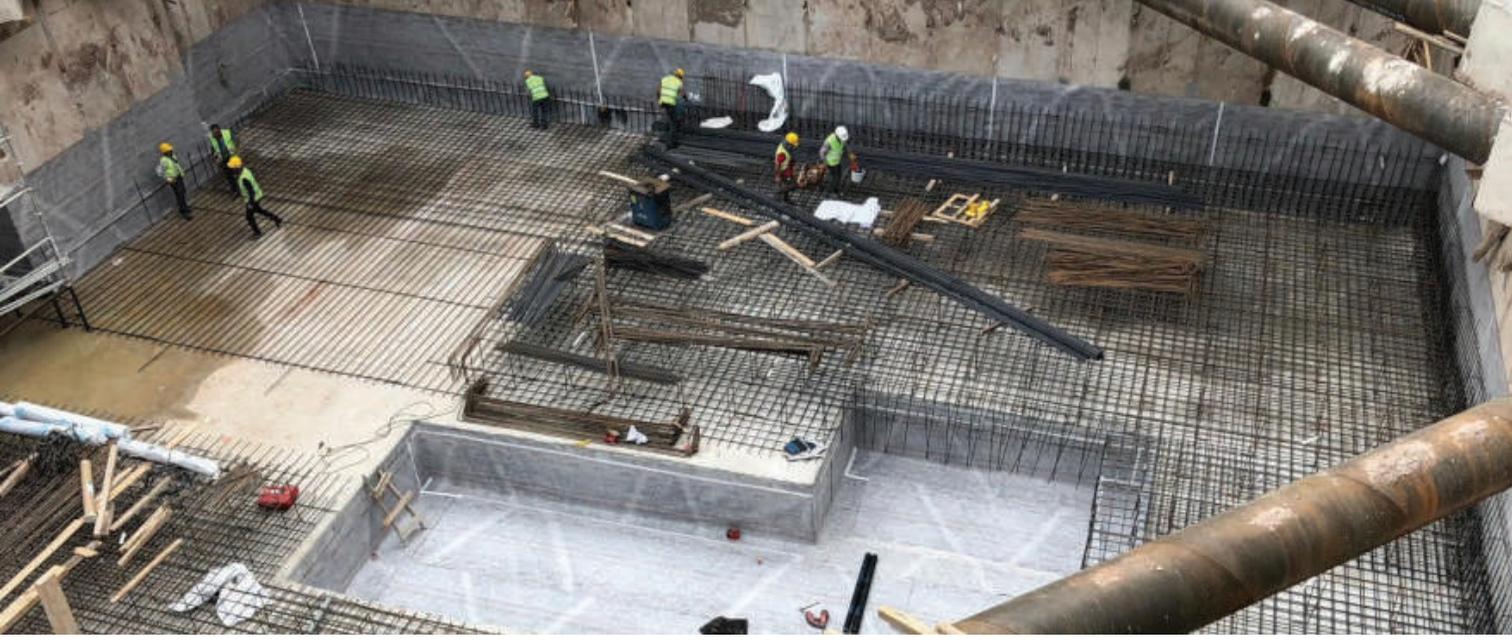


## advantages for the installer

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Choosing **Amphibia** means choosing **handiness, fast installation and care for details**. An innovative solution to achieve a safe and long-lasting waterproofing.

**It's a waterproof life.**

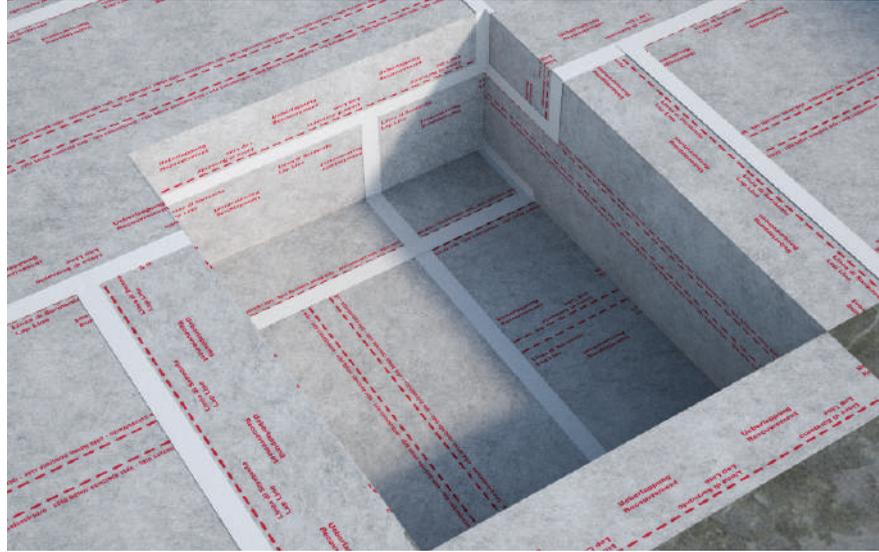




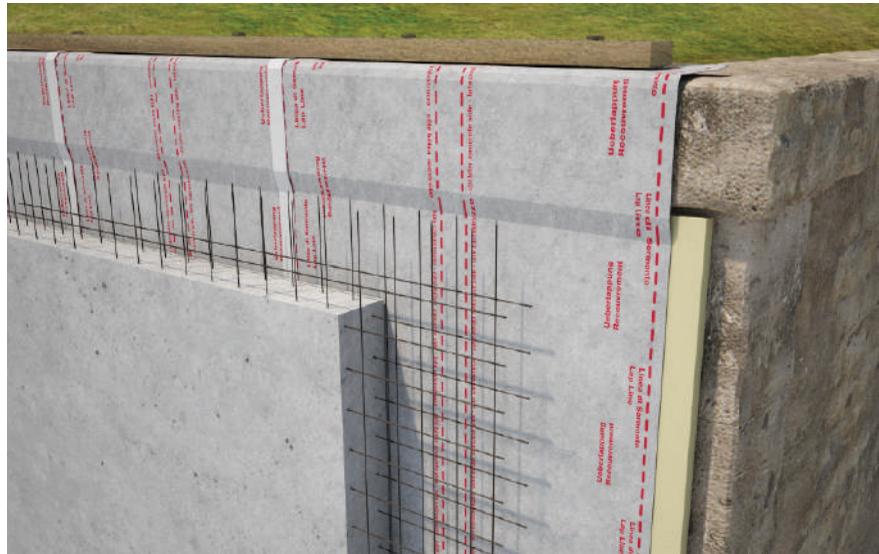
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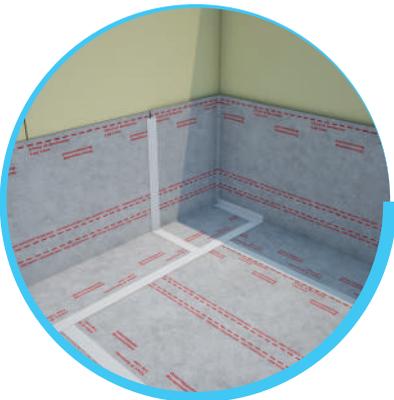
# 1 HORIZONTAL INSTALLATION



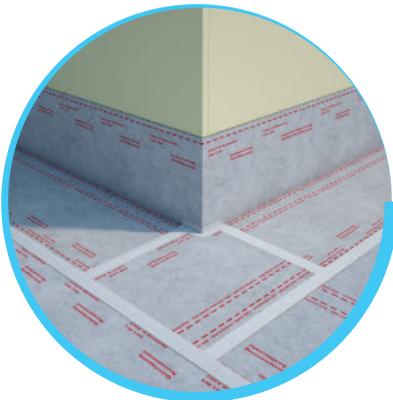
# 2 VERTICAL INSTALLATION



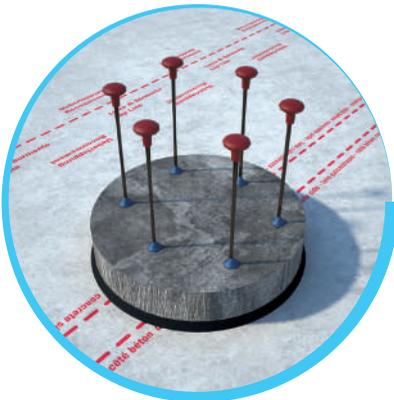
# INSTALLATION DETAILS



INTERNAL CORNER 90°



EXTERNAL CORNER 270°



FOUNDATION PILES

It's a waterproof life.

# HYDRO-REACTIVE MEMBRANES



## AMPHIBIA 3000 GRIP H.1.80

HYDRO-REACTIVE MULTI-LAYER WATERPROOFING MEMBRANE  
size cm 180x2000

## AMPHIBIA 3000 GRIP H.0.90

HYDRO-REACTIVE MULTI-LAYER WATERPROOFING MEMBRANE  
size cm 90x1000

# ACCESSORIES



## AMPHIBIA PRESSURE LINE

METALLIC PROFILE, COATED ON ONE SIDE WITH AMPHIBIA 3000  
size cm 150x4



## AMPHIBIA PRESSURE CORNER 90°

CORNER METALLIC PROFILE COATED WITH AMPHIBIA 3000 MEMBRANE  
size cm 150x5x10

## AMPHIBIA PRESSURE CORNER 270°

CORNER METALLIC PROFILE COATED WITH AMPHIBIA 3000 MEMBRANE AND  
ADHESIVE BUTYLIC TAPE AMPHIBIA SAFETY TAPE BT  
size cm 150x5x10



## AMPHIBIA SAFETY TAPE

ADHESIVE TAPE FOR OVERLAPPING PROTECTION  
size cm 6x2500



## AMPHIBIA LAP SEAL

BUTYL ADHESIVE TAPE FOR OVERLAPPING SEALING GAS  
size cm 6x1000



## AMPHIBIA STOPPER

PROTECTION CAP FOR CLOSING HOLES FORMWORK, BLACK COLOUR



## AMPHIBIA 3000 STRIP

TAPE OF AMPHIBIA 3000 MEMBRANE  
size cm 12x1850



## BI MASTIC

DEFORMABLE ADHESIVE MASTIC WITH HIGH PERFORMANCE



## AKTI-VO 201

SYNTHETIC RUBBER HYDRO-EXPANDING MASTIC 320 CC CARTRIDGES



## WT CONSTRUCTION

EPDM HYDRO-SWELLABLE WATERSTOP  
REINFORCED WITH STEEL MESH  
size

20.10: mm 20x10 - length m 10  
25.15: mm 25x15 - length m 7



## WT EXPANSION

EPDM HYDRO-SWELLABLE WATERSTOP FOR JOINTS  
size

20.20: mm 20x20 - bars m 1.20  
30.30: mm 30x30 - bars m 1.20



## WT PANEL

EPDM HYDRO-SWELLABLE MODULAR WATERSTOP PANEL  
size

125: mm 125x5 - length 1.20 m  
250: mm 250x5 - length 10 m



## WT BREAK

PROFILO PARTITORE AUTOSIGILLANTE.  
size

cm 17.5x100 - thickness cm 2



## WT STRIP

EPDM HYDRO-EXPANDING WATERSTOP TAPE  
size

30.05: mm 30x5 - length m 15  
50.05: mm 50x5 - length m 15



# ITALY REFERENCES



Logistics center Milan (MI) 2019



Residential building Mantova (MN) 2019



Private villa Lake Garda (VR) 2019



New hotel Verona (VR) 2019



Residence Seven Jesolo (VE) 2022



Data Center Settimo Torinese (TO) 2022



New commercial spaces Padua (PD) 2023



Multi-dwelling building Milan (MI) 2025

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# EUROPE REFERENCES



Riga business center (LATVIA) 2021



Hotel expansion in Marsaskala (MALTA) 2020



Commercial spaces Belgrade (SERBIA) 2020



New Villa Portorož (SLOVENIA) 2021



New resort Sarajevo (BOSNIA ERZEGOVINA) 2022



New hotel Zlatibor (SERBIA) 2022



New palace Saint Imier (SWITZERLAND) 2023

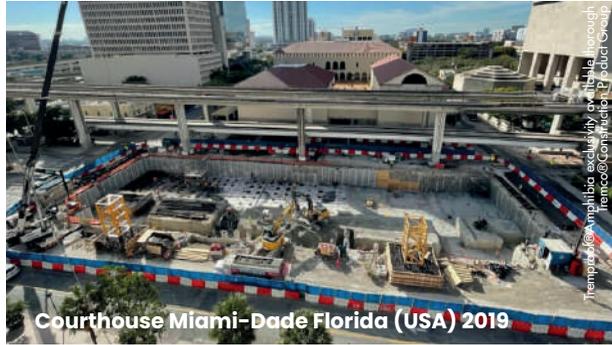


Expansion Hotel in Limassol (CYPRUS) 2024

# WORLD REFERENCES



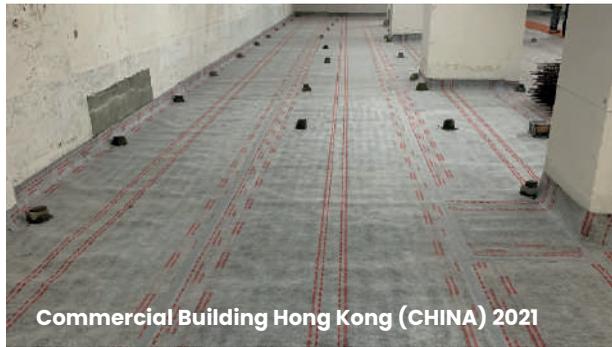
New Boston Viaduct (USA) 2019



Courthouse Miami-Dade Florida (USA) 2019



Multi-storey basement Ankara (TURKEY) 2019



Commercial Building Hong Kong (CHINA) 2021



Miami Residential Center (USA) 2021



Engine room Rio de Janeiro (BRAZIL) 2023



Vitania business center tower Vitania (ISRAEL) 2023



Commercial Building Muscat (OMAN) 2024

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# VOLTECO SERVICES

at your disposal

➤ **Services for  
the designer**

# BIM

Building Information Modeling

CUSTOMIZE YOUR PROJECT

➤ **Support for  
professionals  
and installers**



training  
VOLTECO

➤ **Qualified installers**

# TEAM H2O IT

network specialistico  
by VOLTECO

➤ **More than 2.600 references:**  
[www.volteco.com](http://www.volteco.com)

**VOLTECO**  
durability check up

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## 1976 | 2026



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 **VOLTECO**  
THE WATERPROOF TECHNOLOGY

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COMPANY CERTIFIED MANAGEMENT SYSTEM QUALITY  
ISO 9001 - ENVIRONMENT ISO 14001- SAFETY ISO 45001