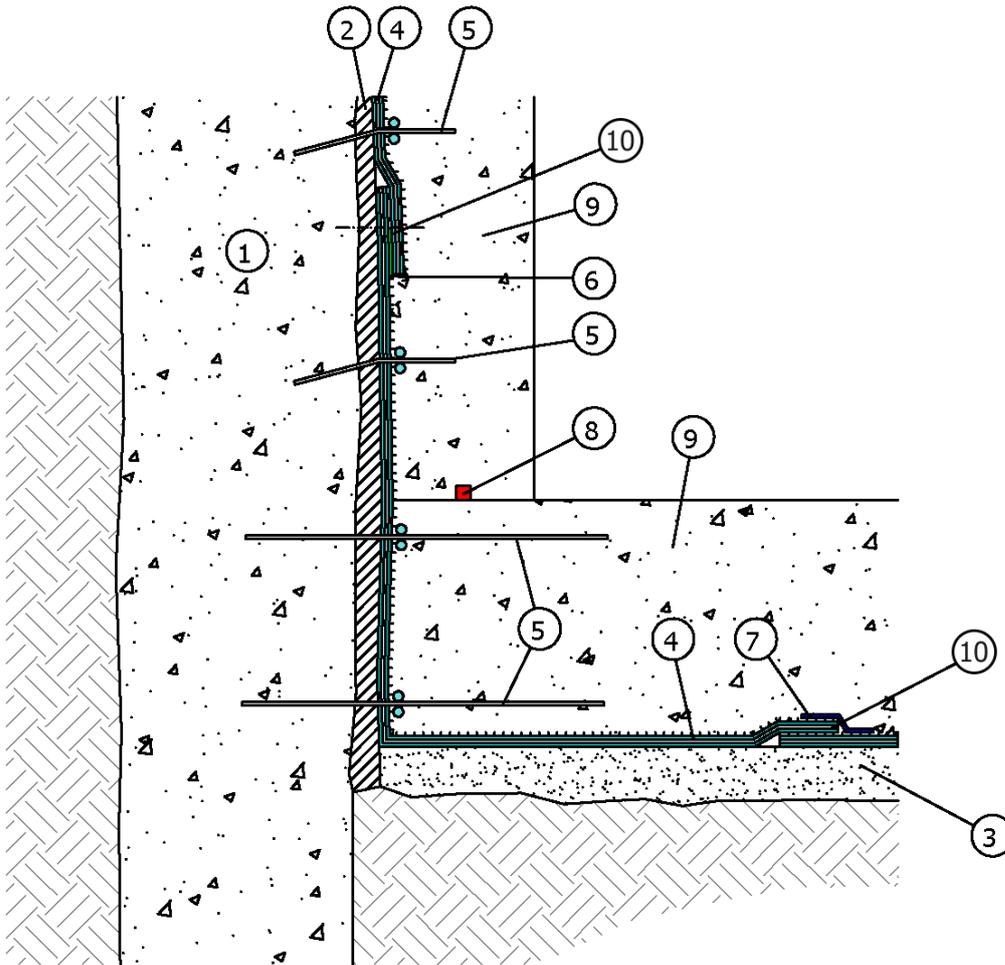


AMPHIBIA with diaphragm wall

Field	Underground waterproofing
Type of work	Reinforced concrete
Boundary conditions	Aquifer
Building construction	New
Excavation type	Free
Type of material(s)	HYDRO-REACTIVE SYSTEM
Sequence of installation	Before pouring concrete
Level of risk	High
Type of protection	Waterproofing barrier



1. Diaphragm walls conveniently smoothed (e.g. with mortar, insulation HD panels, wooden boards)
2. Suitable smoothing or non-degradable rigid panel
3. Lean concrete blinding
4. AMPHIBIA 3000 GRIP
5. Suitable connectors sealed with AKTI-VO 201
6. BI MASTIC
7. AMPHIBIA SAFETY TAPE
8. WT 102 conveniently confined (see TDS)
9. New structure suitable to withstand hydraulic pressures and exempt from defects
10. Overlap: min 5 cm



PLEASE NOTE: Do not make Amphibia overlaps around the construction joint areas.

PLEASE NOTE: The waterproofing systems must be installed continuously all along the whole structure subjected to intervention and up till the ground level, keeping the continuity between all waterproofed surfaces, horizontal and vertical; any kind of joint, penetration and every possible crack must be sealed with suitable VOLTECO systems, applied in continuity with one another (see VOLTECO technical data sheets), in order to avoid any chance of seepage.

The structures must be suitable to withstand hydraulic pressures and every kind of load that they will undergo.

(**) Install SAFETY TAPE BT between the two edges of AMPHIBIA 3000 GRIP (alternatively on wooden boards it is possible to fix the overlaps by stapling): see (1)