



Drenaggio a tergo di opere in c.a. controterra in edilizia residenziale

THE PROBLEM: protecting reinforced concrete walls and basements from infiltration caused by groundwater in the soil, using alternative materials to gravel and aggregates

THE SOLUTION: DRENTER 1,000 and DRENTER 500 drainage modules



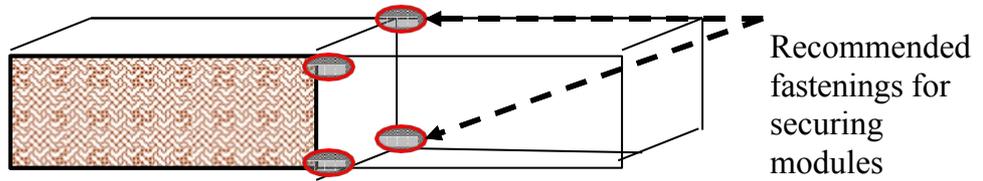
ADVANTAGES: lightweight, easy to handle even in confined spaces, high productivity on site, operator safety, certified hydraulic performance

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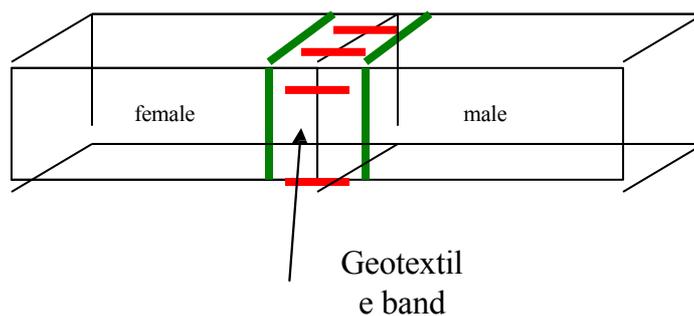
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INSTALLATION STAGES: a base drainage strip is created by tying the drainage modules together with wire



The geotextile strip is folded over to cover the joint between the modules:



- 1) The geotextile band prevents soil from entering the joints between the modules

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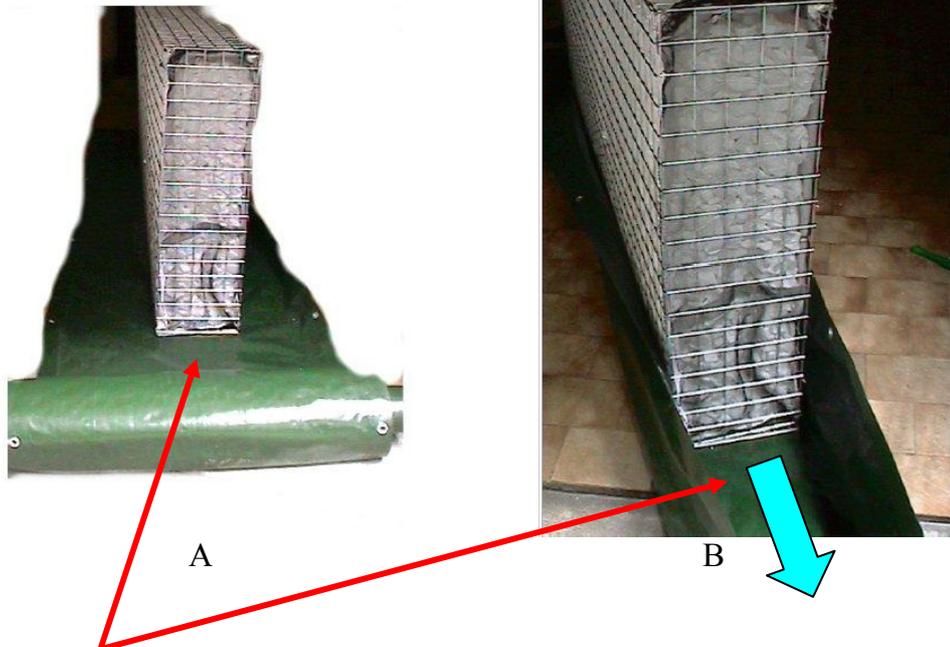
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- 2) once the modules have been joined together, a drainage strip of the desired length is obtained



- 3) At this point, the waterproof sheath is attached to the base of the modules using metal eyelets



Positioning of the membrane in rolls under the drainage modules (fig. A), tying the modules and securing the waterproof membrane to the iron cage to form a drainage channel for the drained water (fig. B)



PHOTOS OF THE CONSTRUCTION SITE



DRENTER 1,000 drainage modules with waterproof sheathing were placed at the base of the wall, on which DRENTER 500 modules were laid to reach the design height of 1.5 m drained from the bottom of the excavation



Detail of the sheath in rolls assembled with the DRENTER 1,000 modules

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Fixing of DRENTER 1,000 base modules with DRENTER 500 modules



Other photos of the construction site

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Backfilling of DRENTER modules with natural excavated soil

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