




terapro® FOS





Our solutions on engineering structures



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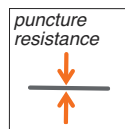
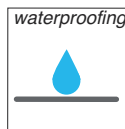
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waterproof geocomposite for covered ditches and gutters, in a single piece

terapro® FOS is used in hydraulic structures for ditches and gutters, covered with earth.



Advantages

- terapro® FOS is economical, and easy and quick to install,
- the layers joined together at manufacturing in the factory eliminate the need for successive laying of geotextiles and geomembranes, and do not slip relative to one another during backfilling,
- flexible, waterproof and continuous, terapro® FOS adapts to the substrate without cracking,
- terapro® FOS protects the subsoil and groundwater from pollution by road runoff water,
- covered with top soil, it fits in with the environment,
- covered with gravel, it requires no mowing maintenance,
- joints are treated by welding for a perfect join,
- the terapro® FOS range is broad, allowing you to find the appropriate product for your needs.



Detailed description

The product consists of needle-punched, nonwoven polypropylene puncture-resistant protective geotextiles of 300 g/m² mass per unit area, joined in factory by a hot-melt process to a waterproof polyethylene sheet.

Assembly of the waterproof polyethylene sheet should be feasible by hot air gun and with an automatic machine.

The dynamic puncture resistance in accordance with ISO 13433 must be less than 1 mm, and the static puncture resistance greater than 3.6 kN.

Installation technique

- prepare a clean, graded, compacted and drained earth-works base, with no projecting elements,
- unroll terapro® FOS on the ground with a shaft and a machine, or by hand, or use a lifting beam, wearing gloves,
- adjust the fit to the earth-works profile, cut out by cutter if necessary, peg terapro® FOS with concrete reinforcing bars on the edges to hold it in position during materials backfilling, and smooth the materials with a levelling bucket,
- treat tiling joints by thermal bonding with a hot air gun,
- please contact teragéos for any installation advice or technical assistance for bonding.

Packaging

- terapro® FOS is available in widths of 1, 2 and 4 m, and 50 m lengths; other sizes on request.