



# terapro® BAT

Our solutions  
on engineering  
structures



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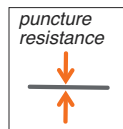
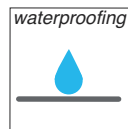
Our specifications

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## waterproof geocomposite, isolating the foundation soil from water ingress around buildings

Placed horizontally around buildings, **terapro® BAT** protects ground sensitive to water and limits the phenomenon of clay swelling, by pushing the seepage back toward a drain.



### Advantages

- **terapro® BAT** is rotproof in the soil, and is easy and quick to install, being single-piece: the waterproof sheet is protected on both sides by puncture-resistant geotextiles joined together in the factory, which do not slip relative to one another during backfilling,

- please contact **teragéos** for any special design.

### Detailed description

- the product consists of needle-punched, nonwoven polypropylene puncture-resistant protective geotextiles of 300 g/m<sup>2</sup> 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 earthworks base, with no projecting elements, sloping 3% toward the outside of the walls to be protected,

- unroll **terapro® BAT** on the ground with a shaft and a machine, or by hand, or use a lifting beam,

- adjust the fit to the earthworks profile, cut out by cutter if necessary, peg **terapro® BAT** with concrete reinforcing bars on the edges of the area to hold it in position during materials backfilling, and smooth and compact the materials,

- treat tiling joints by thermal bonding with a hot air gun,

- in the case of a façade exposed to the rain, without a roof overhang, for example, fasten **terapro® BAT** to the sides of the building with a weather fillet, and make sure that the ground is well compacted

to avoid any subsequent tensile force on the fastenings,

- provide for an outlet at the low point for the drainage system on the underside,

- please contact **teragéos** for any installation advice or technical assistance for bonding.

### Packaging

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