



**our engineering  
structure solutions**



# Building foundations, underground structures

## Our products

● **teradrain®  
FDE-BAT**

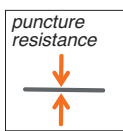
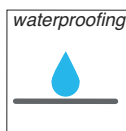
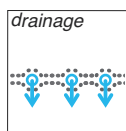
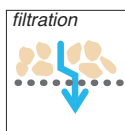
p.62

● **terapro® BAT**

p.76



## Horizontal drainage under slabs



**Needle-punched nonwoven  
with a network of mini-drains:  
teradrain® FDE-BAT**

- filtration
- drainage
- waterproofing

The compacted fill for slab foundations, traditionally executed in natural materials, can be advantageously and economically implemented by the **teradrain® FDE-BAT** non-woven sheet with a network of mini-drains.

It can economically replace the spur trenches, geotextiles, polyethylene film and aggregates of the traditional solution.



## Our specifications

▲ **teradrain®  
FDE-BAT**

p.110

▲ **terapro® BAT**

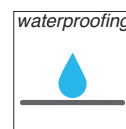
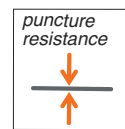
p.110



## Foundation protection

**Needle-punched nonwoven geocomposite  
surrounding a geomembrane barrier,  
terapro® BAT**

- puncture resistance
- waterproofing



Fluctuations in the water content of the clays causes major shrinkage or swelling which destabilizes the foundations.

A heat-sealable waterproof geocomposite, incorporating puncture-resistant nonwovens, **terapro® BAT**, stabilizes the moisture conditions around underground walls, to attenuate soil movements.

Fastened to the vertical walls and heat-sealed between panels, it is waterproof.

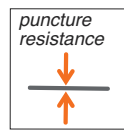
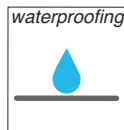
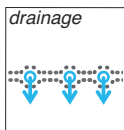
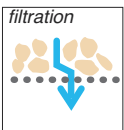


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## Building foundations, underground structures

### Vertical drainage of underground walls



Needle-punched nonwoven with a network of mini-drains, filtering pocket, waterproofing film:  
**teradrain FDEP-BAT**

- filtration
- drainage
- waterproofing



**teradrain® FDEP-BAT** is the comprehensive, reliable and economical solution for the treatment of underground walls.

**teradrain® FDEP-BAT** is mechanically fastened at the top against the wall to be drained and waterproofed. It includes the filtering pocket to insert the main base drain. Manufactured in nonwoven sheet with a network of mini-drains, **teradrain® FDEP-BAT** can efficiently replace bitumen emulsions, draining slabs and plastic protection systems.

*Our products*

● **teradrain® FDEP-BAT**

p.62



*Our specifications*

▲ **teradrain® FDEP-BAT**

p.111



### Drainage and waterproofing of underground ducts

Needle-punched nonwoven with a network of mini-drains:  
**teradrain® FDEP-BAT**

- filtration
- drainage
- waterproofing

