

# BENTONITE MAT

## State-of-the-art natural sealant

### What is EUROBENT ?

EUROBENT is a 'geosynthetic clay liner' made of two (or more) layers of geotextiles and bentonite, a clay mineral with excellent swelling characteristics.

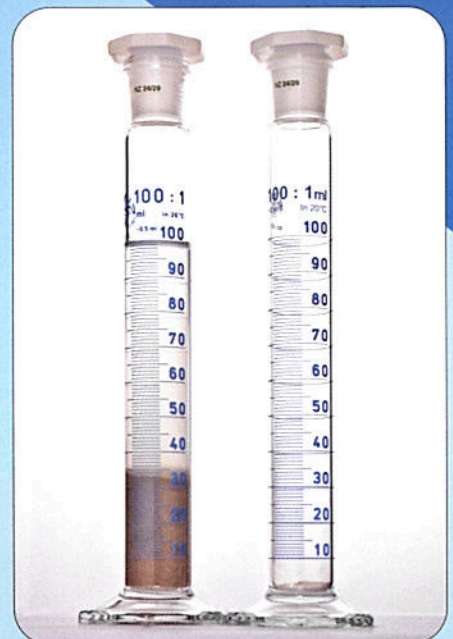
Bentonite absorbs water from surrounding soil, but its expansion is impeded by layer pressure. In consequence this leads to the formation of a **highly tight layer** that provides sealing to construction elements.

EUROBENT replaces all traditional mineral sealants. Better sealing performance, cost-effectiveness and eco-friendliness are the most important reasons for choosing the EUROBENT solution.

### EUROBENT advantages:

- **small mass** minimizes the cost of transport and is harmless for the environment
- **quick and easy installation** does not require highly qualified personnel, expensive welding or use of heavy sealing equipment
- **high sealing performance** with predefined permeability
- **self-restoring capability** in case of small perforations, due to swelling properties
- **width up to 5.15 m** reduces loss on connections
- **verified quality** enhances constructions safety.

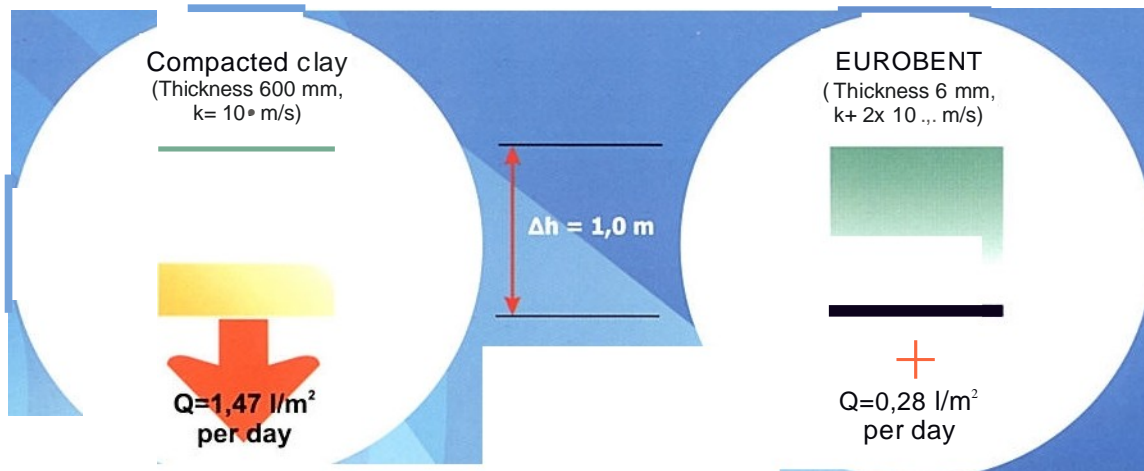
Thanks to the water absorbing properties, bentonite contained in EUROBENT expands, creating a highly water-tight layer.





# Permeability Tests

Stable thickness and extremely low water permeability factor guarantee the defined sealing performance of EUROBENT.



## Applications

EUROBENT can be used to seal all types of constructions, such as:

- base and surface seals of waste disposals (landfill caps)
- canals and storage reservoirs
- tank storage sites
- composting plants
- biotopes
- tunnel and building seals
- filtering and storage reservoirs
- run-off basins
- roads leading through protected areas
- and many more.



Eurobent Sp. z o.o.  
ul. Kliczkowska 42, 58-100 Swidnica, Poland  
tel./fax: 0048 74 857 71 88  
[office@eurobent.com](mailto:office@eurobent.com), [www.eurobent.com](http://www.eurobent.com)