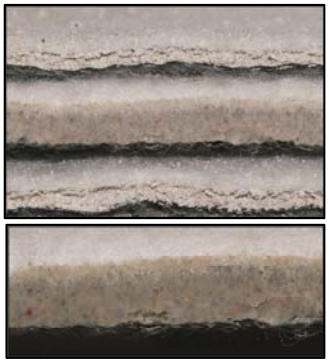
GBL Geofelt Bentonite Liners
State-of-the-art natural sealant
BENFELT



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

What is Benfelt?

Benfelt is a 'geo-synthetic clay liner' a composite 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.

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

Benfelt advantages:

- **small mass** minimizes 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 5.10 m** reduces loss on connections
- **verified quality** enhances constructions safety

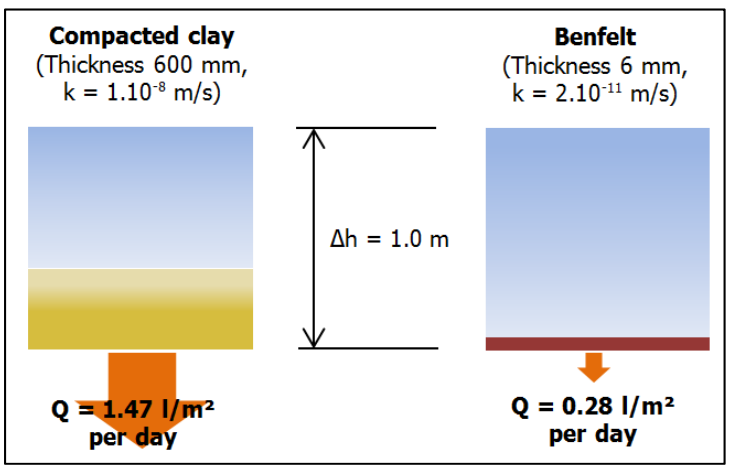
ITC

NOTIFIED BODY No. 1023
Institute for Testing and Certification, Inc., Zlín, Czech Republic

Certificate of Factory Production Control
No. 1023 – CPD – 0366 F

BENFELT
– Geosynthetic Barriers, type „GBR-C"
GEOFELT GmbH
Rainerstraße 14, A-4020 Linz, Austria
NIF: ATU22930700
Code: PI884-26-51-736

CE



Permeability Tests
Stable thickness and extremely low water permeability factor guarantee the defined sealing performance of Benfelt.

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Applications

Benfelt 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

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