



Tektoseal® Sand

For geomembrane strain Mitigation

Geomembrane Protection layer

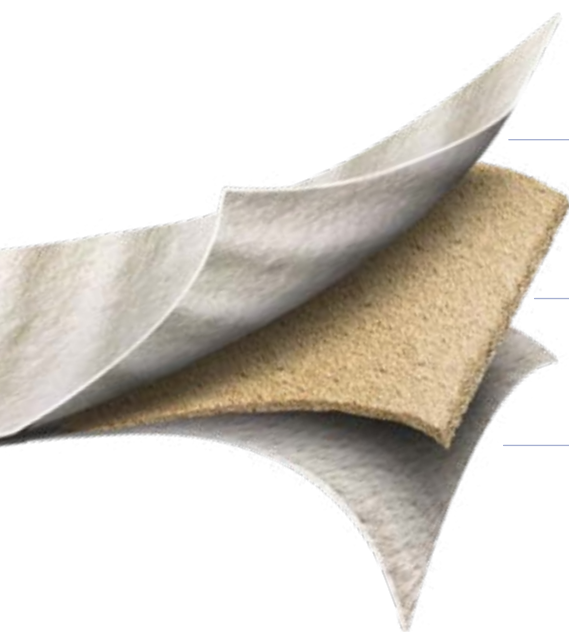
Tektoseal Sand

Tektoseal Sand is a three-layer geocomposite with encapsulated quartz sand that can be used as a combined protective layer system for the bottom linings of landfill sites. Combining nonwovens certified by BAM (German Federal Institute for Materials Research and Testing) and a centrally arranged sand content layer, Tektoseal Sand offers proven long-term protection for polymer liners in a landfill environment. In addition to its excellent protective performance, this hybrid solution exhibits outstanding frictional properties in slope areas and can offer cost effective installation.



Structure of bottom lining

- HaTe separating nonwoven
- Drainage layer
- Fortrac (reinforcement grid for steep slopes)
- Tektoseal Sand (protective layer system)
- Polymer membrane
- Tektoseal Clay / NaBento (substitute for mineral components)
- Mineral liner



Protective layer system structure

- Top layer
Nonwoven
- Middle layer
Quartz Sand
- Bottom layer
Nonwoven

We will be pleased to advise you.