



Tektoseal® Sand

Displacement-resistant filter for underwater installation

GEOSYNTIA

 **HUESKER**
Ideen. Ingenieure. Innovationen.

Underwater installation

Tektoseal Sand

Tektoseal Sand is a three-layer geocomposite with encapsulated quartz sand that allows the installation of a geotextile filter under difficult site conditions. Tektoseal Sand lends itself to use wherever, given the local hydraulic conditions, the installation of standard filters would be impossible or would necessitate undue cost and effort. The higher weight per unit area achieved by the quartz sand filling simplifies installation and offers enhanced protection against displacement. This allows the trouble-free, filtration-stable installation of revetments even under water.

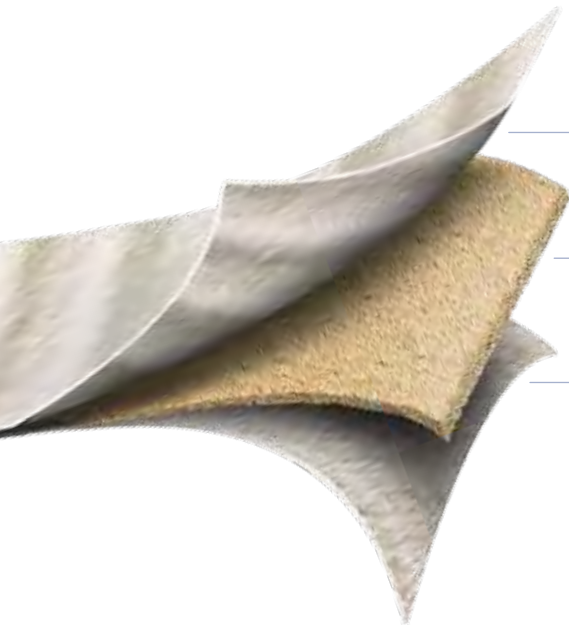


Revetment construction

Armour stone

Tektoseal Sand (geotextile filter)

Soil (subgrade/natural ground)



Displacement-resistant filter composition with BAW approval

Top layer

300 g/m² nonwoven

Middle layer

4750 g/m² quartz sand

Bottom layer

650 g/m² nonwoven

Tektoseal Sand	
Function	Displacement-resistant filter
Certificates	Tested by BAW*
Filtration stability to BAW	Soil type 4
Perforation resistance to BAW	≥ 1800 Nm

*[German Federal Waterways Engineering and Research Institute]

We will be pleased to advise you.