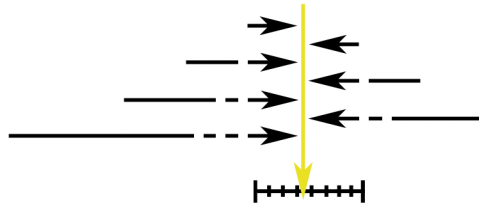


Information on water permeability of RSS Flüssigboden

The water permeability of RSS liquid soil depends very much on the mix design and the source material. We recommend checking the hydrogeological conditions on site, and determining the k_f value for each mix design in order to avoid structural damage and in particular to possibly make the placement of impermeable layers superfluous. For example, liquid soil made from a sand-gravel mixture can have an up to 5000 lower permeability coefficient than its source material. On the other hand, liquid soil made from extremely cohesive soil can get an up to 1000 times greater k_f value.

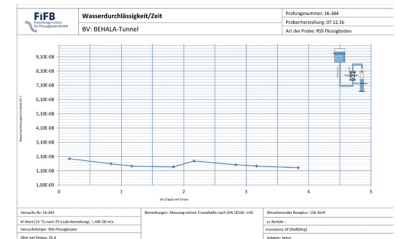
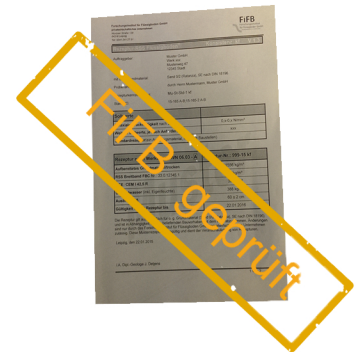
General

The water permeability of RSS liquid soil is not a rigid size. Predicting how the permeabilities of liquid soil develop from different source materials is a challenging task and prone to error.



k_f value change in direction $9.50E-09$ m/s

If one still wants to try, it can be said in general terms that the k_f value for source soils with a k_f value $< 9.5E-09$ m/s tends to increase, for source soils with a k_f value $> 9.5E-09$ m/s it rather reduces, if it is not influenced by a deliberate change of the mix design.



Triaxial cell for determining the k_f value



RSS Flüssigboden® meets the requirements of RAL-GZ 507

FiFB Forschungsinstitut für Flüssigboden GmbH
 Wurzner Straße 139
 D-04318 Leipzig
 Tel +49(0)341-24469-21
 Fax +49(0)3423-72424-74
 E-Mail j.detjens@fi-fb.de
 Internet www.fi-fb.de