

### PRODUCT DESCRIPTION

RHE24 is pleased to offer VHV Drilling Fluid, a synthetic Acryl-Amide Polymer with a medium to high anionic charge. The longer chain character of this product compared to HV Drilling Fluid makes it suitable for a wide field of soil support. It has extra stable properties and is most suitable for piling and trenching activities in fine and granular soils or where seawater is required to be used in the slurry.

Bulk density: 600-800 kg/m<sup>3</sup>

### SLURRY MIX AND PROPERTIES

VHV Drilling Fluid can be mixed with fresh water using dosages from 0.5 to 2.0 kg per m<sup>3</sup>. Use of seawater is possible with increased dosages of 1.0 to 2.5 kg per m<sup>3</sup>. Depending on the water quality, pretreatment of water with soda might be considered. The viscosity of the slurry will develop quickly within the first hours of mixing.

#### Slurry properties (0.1% in tap water):

- Viscosity: approx. >200 sec. (Marsh funnel)
- Water retention time > 2,000 seconds
- pH value: approx. 6-7

### PACKAGING

VHV Drilling Fluid is delivered as a white granular powder in 25 kg plastic or craft bags on 750 or 900 kg pallets. With proper storage in its original packaging, this product can be stored for at least 12 months.



### DRILLING POLYMER SYSTEM

VHV Drilling Fluid can be used as a basic drilling polymer or as an admixture to enhance other water-based slurries. It is highly suitable for many foundation techniques and helps to improve progress and efficiency of ground engineering works.

Due to its rheological properties it is highly effective in stabilizing clayey, silty and sandy soils with low consumption.

VHV Drilling Fluid allows faster progress during drilling, by its effective lubrication and an excellent, strong encapsulation of soil. The superior sedimentation properties allow for very easy slurry handling, further saving production time. Slurry made with VHV Drilling Fluid can be easily disposed of using other admixtures.

The product is proven to be harmless and environmentally friendly. Depending on the ground and the required slurry properties, the necessary dosage may change and must be confirmed by a trial test using site water and execution of a test drill hole.

