

## Product Information

## Rheopur

### Universal HDD Polymer Additive

**Description:** *Rheopur* is a multifunctional, free-flowing, powdered, easily dispersed and high viscous polymer additive mixture. *Rheopur* is developed particularly for Horizontal Directional Drilling requirements and bentonites. *Rheopur* enhances the rheological properties of fresh water bentonite muds by combining properties of the single polymer ingredients. Optimum results will be obtained when *Rheopur* is added to Phrikolat Bentonit Typ W.

**Applications:** Horizontal Directional Drilling (HDD)  
Water Well Drilling  
Vertical Drilling

**Properties:**

- Excellent shear thinning properties for optimal flow characteristics
- Mixes easily into pre-hydrated bentonite muds
- Synergistic effects of various polymers
- Optimal cutting suspension and high initial gel strength
- Improves the rheological properties of bentonite systems
- Provides filtration control
- Enhances carrying capability and cutting transport at LSRV
- Increases water absorption capacity
- Acts as protective colloid for bentonite
- Only small amounts required

*Rheopur* is compatible with all Phrikolat-Polymers and does not contain any harmful ingredients.

Recommended Concentrations as additive to bentonite muds:

Sand, normal drilling	0,5 - 0,75	kg/m <sup>3</sup>
Gravel, poor consolidated formations:	1 - 2	kg/m <sup>3</sup>

Using a high shear jet-type mixer (venturi) is highly recommended. *Rheopur* should always be added to the system after bentonite. Adding should be done slowly and uniformly to the entire circulating system.

**Packaging:** 10 kg or 25 kg multiple paper-bags on pallet, shrink wrapped, 1000 kg per pallet