



## Product Information

## Bentonit Typ W

Premium Grade Sodium-Bentonite

**Description:** *PHRIKOLAT BENTONIT Typ W* is a high yield Wyoming-type sodium bentonite. *PHRIKOLAT BENTONIT Typ W* is especially fine-grained and hydrates more than other types of clays. Due to its high montmorillonite content *PHRIKOLAT BENTONIT Typ W* is highly productive and requires only very short time to yield.

**Applications:** Water based drilling fluids in the fields of: Horizontal-Directional-Drilling (HDD); Vertical Drilling; Pipe Jacking; Microtunnelling; Water Well Drilling; Civil Engineering

**Properties:** *PHRIKOLAT BENTONIT Typ W* is easily to mix with water and provides in small concentrations stable suspensions with optimum gel strength and cuttings suspension while minimum resistance to flow/to pump.

*PHRIKOLAT BENTONIT Typ W* reduces filtration by forming a thin filter cake with low permeability and improves borehole stability in poorly consolidated sand and gravel formations.

*PHRIKOLAT BENTONIT Typ W* can be used as a single product in standard grounds or as a basis for drilling fluids systems to be enhanced by polymer addition in difficult grounds. Polymers should always be added after mixing the bentonite with water.

*PHRIKOLAT BENTONIT Typ W* is compatible with all Phrikolat-Polymers and does not contain any harmful ingredients.

### Typical Concentrations:

Clay + Clay/Sand:	20-25 kg/m <sup>3</sup>
Sand + Gravel:	25-35 kg/m <sup>3</sup>
Gravel:	35-50 kg/m <sup>3</sup>

Mixing slowly and uniformly through a high-shear, jet-type mixer over one or more cycles of the volume of slurry will increase the performance of the product.

The make-up water should be checked for pH-value and water hardness, where appropriate a conditioning with soda ash is required (a maximum of 0.5 kg/m<sup>3</sup>). Performance reduced in salty water due to decreased hydration

**Packaging:** 25 kg multiple paper-bags with **red** band on pallet, shrink wrapped, 1000 kg per pallet

Big Bags à 1000 kg

Big Bags à 650 kg or 500 kg (on request)