

TEQGEL SPECIAL™

Bentonite System



TEQGEL SPECIAL is a high quality drilling bentonite used in HDD. Unique rheological parameters, in particular plastic viscosity and very good rheological parameters ensure safe work in all geological conditions. Drilling fluid made with TEQGEL SPECIAL ensure borehole wall stability and caring capacity of big cuttings on long distance with low price and safe work. Product is non-toxic and environmentally safe.

APPLICATIONS/ FUNCTION

- The basic component of the drilling system for large diameter holes;
- Effectively controls rheological parameters and fluid filtration level;
- Stabilizes the wall in porous formations;
- Effectively cuttings transports;
- Cools the bit, drilling string and probe;
- Universal fluid for large-diameter vertical drilling;

ADVANTAGES

- High rate of drilling penetration;
- Low plastic viscosity and very good rheological parameters at low flow rates;
- Low coefficient of friction in the hole.;
- Immediate formation of stable gel structures during breaks in circulation;
- Quick dispersion against similar products.
- Low fluid penetration beyond the borehole
- Good take out cuttings at ultra-low flow rates
- Sealing lost circulation, permeability zones;
- Compatible with wide range drilling polymers;
- Easy mechanical cleaning;
- Seals the annular space after installation;

TYPICAL PROPERTIES

- | | |
|--------------------|-------------------------|
| • Appearance | beige - gray powder |
| • Specific gravity | 2,6 t / m ³ |
| • Bulk density | 0,90 t / m ³ |
| • Moisture | 10 - 11 % |

TREATMENT

TEQGEL Special should be added through the hopper with Venturi jet and circulate until the material is dispersed.

RECOMMENDED TREATMENT [kg/m³]

- | | |
|---------------------------|---------|
| Clay | 25 – 35 |
| Sand | 35 – 45 |
| Fine gravel | 45 – 55 |
| Coarse gravel, mud losses | > 55 |

PACKAGING AND STORAGE

TEQGEL Special is packaged in 25 kg multiwall paper sacks a 40 items on pallet or 650 kg big bags. Store in dry location away from sources of heat or ignition, and minimize dust.

HANDLING

Observe the precautions as described in Material Safety Data Sheet

Product has Hygienic Attest issued by Państwowy Zakład Higieny w Warszawie (National Institute of Hygiene in Warsaw) no B-BK-60210-1120/19

The before mentioned data meet the present state of our knowledge and experience. For warranty and responsibility our General Terms and Conditions of Sales are valid. For specific instructions refer to the MSDS information..