



Bentonite products information

Prime Gel X

DESCRIPTION

Prime Gel X is a natural sodium bentonite with a high montmorillonite content. It is characterized by high efficiency and fresh water dispersion easiness. The drilling mud made on the bentonite Prime Gel X base has a great ability to remove spoil and makes low permeability thin clay deposit. It is commonly used for horizontal drilling and where it is necessary to prepare a low solid phase content scrubber. Bentonite Prime Gel X can be also used as a single scrubber component or in other products combination, e.g. various types of polymers.

PROPERTIES

Mineralogical analysis:

montmorillonit sodowy	94,0%
quartz	4,0%
feldspar	1,0%
calcite	1,0%

Bentonite Prime Gel X is delivered in the yellow-beige powder form. In order to accelerate dispersion of bentonite in water it is recommended to use an effective hydraulic funnel mixer. The time to prepare it is about 10-15 minutes.

For horizontal drilling to improve rheological properties it is recommended to add PAC RP polymer in amount of 0,5-1,0 kg/m³.

Rheological parameters of 3% suspension:

Plastic viscosity	12 cP
Flow limit	24 lb/100ft ²
Structural strength after 10s	12 lb/100ft ²
Structural strength after 10m	15 lb/100ft ²

Recommended Prime Gel X concentrations to drill in water:

Sand, fine-grained gravel	25-30 kg per 1 m ³ water + PAC RP
Coarse gravel, stones	30-50 kg per 1 m ³ water + PAC RP

PACKAGE

Bentonite Prime Gel X is packed in Big Bag type bags, it is recommended to be stored in a dry place.