

WATER-REPELLING AGENT**GENERAL INFORMATION**

HYDROHIB used as water-repelling agent, stabilizer of drilling fluids. HYDROHIB is added to the mud while it is mixed or during circulation while drilling. HYDROHIB coats particles of clay, closing by its hydrophobic part hydrophilic surface of clay particle, preventing it from swelling and maintains by this the good rheological properties.

TYPICAL PROPERTIES

Appearance	Liquid
Colour	From colorless to dark brown
pH	13-17
Waterproofing ability, hours	Not less than 8
Specific gravity at 20°C	1,15-1,4

PRODUCT FUNCTIONS

- Stabilizes the rheological and filtration parameters of the drilling fluid
- Prevents and reduces the viscosity growth and slows down the mud density
- Prevents the formation of gumbo on the drilling tool
- Improves wellbore stability

APPLICATION

It should be noted that HYDROHIB has a much higher pH (13,0-14,0) than KCL biopolymer mud (9-10), therefore it only necessary to add small portions during cycle to avoid coagulation of the mud.

Desirably to add it to the mud while passing active shales, the effect will be seen at once- viscosity of the mud will decrease.

Recommended concentration is 0, 05% at the beginning of drilling to 0, 3% while passing active shale zones.

SAFETY PRECAUTIONS

HYDROHIB may cause irritation of nose, throat and lungs. Vapors may cause dizziness, cough, headache, shortness of breath.

STORAGE

SMARTHIB is stored in cool and dry place. Shelf life is 12 months.

PACKAGING

HYDROHIB is supplied in metal drums of 216,5 l.