MAX-FLEX®

LATEX-BASED SHALE INHIBITOR DRILLING FLUIDS

Description

MAX-FLEX® is a modified, synthetic styrene-butadiene latex, easily dispersible in water. Stabilizes shale formations, prevents clay minerals hydration and lowers the mud fluid loss. Forms a membrane on the wellbore wall, encapsulates the cuttings with a strong film, preventing disintegration.

MAX-FLEX® can be used in both freshwater drilling fluids and salty drilling fluids. It is also used in oil-based muds as a filtration control agent and cementing fluids to reduce the filtration and improve the bond quality cement-casing and cement-formation rock.

The average particle size of 0,10-0,15μ - ideal in combination with asphalt type shale inhibitors like STABILITE®II to form a solid sealant in the pores and microfractures.

Application

- ensures superior wellbore stability

- is used in the areas where KCl inhibitive properties are not sufficient

- forms a membrane on the wellbore wall, prevents water invasion into the shale matrix

- seals pores and micro-fractures, prevents pore pressure transmission

- coats shale cuttings and wellbore wall to stop swelling and sloughing

- promotes cuttings disposal on the shale shakers

- lowers mud filtration rates

Advantages

- high thermal stability – up to 150C

- resistant to contamination (including Ca++ and Mg++ contamination)

Recommended treatment

MAX-FLEX® is added through a mud hopper or directly into the mud pit. When building the mud first add bentonite as MAX-FLEX® prevents clay hydration. Recommended treatment 10-25 kg/m3 (4-9 ppb).
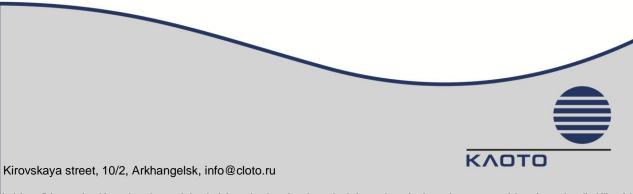
Properties

Appearance – semi-transparent to white/creamy liquid

Handling

Please refer to the MSDS for specific instructions

Packaging

MAX-FLEX® shale inhibitor is packaged in 200l drums or IBCs.

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