

HYDRAUL-EZ®

HORIZONTAL DIRECTIONAL DRILLING FLUID



DESCRIPTION

HYDRAUL-EZ is a high-yield, 200 mesh sodium bentonite with a special dry polymer additive. It is designed to maintain borehole integrity in horizontally drilled boreholes. HYDRAUL-EZ is certified to NSF/ANSI Standard 60, Drinking Water Treatment Chemicals - Health Effects.

RECOMMENDED USE

HYDRAUL-EZ is specially designed for conditions encountered in angle and horizontal drilling. It can be used for all types of freshwater mud rotary drilling and as a jacking lubricant.

CHARACTERISTICS

- Concentrated for high yield
- Eliminates clay and shale swelling, bit balling, and sticking problems
- Forms a tight, thin filter cake in unstable formations
- Maintains borehole integrity in horizontal and vertically drilled holes
- Mixes quickly
- Requires less material due to low fluid loss properties

MIXING AND APPLICATION

Mixing ratios are based on the use of freshwater. Water purity will affect bentonite performance. For best results, make-up water should be pre-treated with SODA ASH to a pH of 8.5-9.5. HYDRAUL-EZ should be added slowly through a jet/hopper mixer.



BULK DENSITY

54 lbs/ft³ (0.86 kg/L)

PACKAGING

50 lbs (22.7 kg) bags, 48 per pallet. All pallets are plastic-wrapped.

DRILLING FLUID HYDRAUL-EZ mixing ratios in lbs (kg) per 100 gallons (1 m³) of water

Condition	Lbs of HYDRAUL-EZ	% Solids
Normal Conditions	20-30 lbs (22.5-36 kg)	2.3-3.5%
Sand and Gravel	30-40 lbs (36-47 kg)	3.5-4.6%
Fluid loss Control	40-60 lbs (47-72 kg)	4.6-6.7%

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