

ULTRA GEL®

HORIZONTAL DIRECTIONAL DRILLING FLUID

DESCRIPTION

ULTRA GEL® is a high-yield, 200 mesh sodium bentonite with a special dry polymer additive. It is designed to maintain bore-hole integrity in horizontally drilled bore-holes.

RECOMMENDED USE

ULTRA GEL® is specially designed for conditions encountered in angle and horizontal drilling. It can be used for all types of fresh-water especially : horizontal direction drilling, water well construction, vertical drilling.

CHARACTERISTICS

- Highly concentrated for maximum yield
- 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 fresh-water. 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. ULTRA GEL® should be added slowly through a jet/hopper mixer.

BULK DENSITY

0,86 kg/l.

PACKAGING

25 kg bags, 40 per pallet, 1 ton big bags. All pallets are plastic-wrapped. 650 kg BigBag.

| DRILLING FLUID ULTRA GEL® MIXING RATIOS IN KG PER 1 M ³ OF WATER | | |
|---|-----------------|----------|
| CONDITION | KG OF ULTRA GEL | % SOLIDS |
| Normal Conditions | 20-24 kg | 2-2,4% |
| Sand and Gravel | 25-35 kg | 2,5-3,5% |
| Fluid loss Control | 36-48 kg | 3,6-4,8% |