

QUAD POWER™ POWER-BASE™

HIGH EFFICIENCY POLYMER BASE



Certified to
NSF/ANSI/CAN 60

DESCRIPTION

POWER-BASE™ is a highly concentrated, liquid, polymer emulsion that serves as the base for QUAD POWER™ polymer drilling products. Used by itself, POWER-BASE will produce a high viscosity solution in water which can fulfil the demands of most short bore length drilling applications. It is highly lubricating, clay inhibitive, and can help remove fine solids from the borehole. POWER-BASE can also be dosed with other QUAD POWER additives to target more difficult situations, such as drilling through reactive clays or sand and gravel. POWER-BASE is certified to NSF/ANSI/CAN Standard 60, Drinking Water Treatment Chemicals – Health Effects.

RECOMMENDED USE

HDD

QUAD POWER polymer drilling products are designed for use in smaller diameter/short-length horizontal bores when use of bentonite is not desired. The products are offered in single use sized container that help eliminate confusion about dosing into the smaller mix tanks. POWER-BASE can serve as the sole drilling additive for many jobs with one or two containers being sufficient for the 500-gallon tanks commonly used. If there are adverse drilling conditions, single-dose containers of the other QUAD POWER polymer drilling products can be added as necessary.

VERTICAL DRILLING

POWER-BASE can be used for vertical drilling as a lubricant to decrease torque or as a dust suppressant. It is also highly effective to control clays by eliminating swelling, sticking, and bit balling. A typical dosage for use with a bentonite system or on its own is 1/4 jug per 100 gallons of freshwater. For use with bentonite systems, add POWER-BASE after bentonite is mixed. This product can also be used in conjunction with VERSAFOAM PLUS to produce a stiff foam (1/4 jug per 100 gallons).

ADVISORY

QUAD POWER polymer drilling products or any polymer products alone should never replace bentonite based drilling fluids for larger diameter, longer bore shots, or exceptionally challenging and higher risk projects. It is a best practice to shake pouch before use, especially in cold weather.

CHARACTERISTICS

- Containers are sized perfectly to match the dose needed for a 500-gallon mix tank – no more, no less
- Encapsulates swelling clays and helps minimize sticking
- Highly concentrated polymer produces high viscosity with very low dosage
- Liquid viscosifier mixes into water more quickly and with less shear than powdered products
- Perfect viscosity base for creating any type of fluid you need to get through any geo-formation



QUAD POWER PRODUCT APPLICATION

HDD
NUMBER OF CONTAINERS PER 500 GALLONS
FRESHWATER

SOIL CONDITIONS	POWER -BASE	POWER -TERGE	POWER -CLAY	POWER -SAND
UNKNOWN	1	1		
SAND	1			2
SAND & GRAVEL	1	1		3-4
SAND & CLAY	1	1	1	2
CLAY	1	1-2	1	
STICKY CLAY	1-2	2	2	

PACKAGING

~0.5 gallon (~64 ounce) container, 4 containers per case, 48 cases per pallet.

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