

CIVIL PRO™ 125

HIGH YIELD CIVIL ENGINEERING GRADE BENTONITE

DESCRIPTION

CIVIL PRO 125 is a high yielding, easy mixing, 200-mesh bentonite drilling fluid made from the highest grade Wyoming sodium bentonite. CIVIL PRO 125 meets and exceeds the requirements of EN 1358.

RECOMMENDED USE

CIVIL PRO 125 exhibits optimal rheological properties designed specifically for use in diaphragm walls, slurry walls, cut-off walls, pilings and similar civil-construction work. It can perform as an optimal hydraulic barrier. Other potential applications include specialized micro-tunneling, pipe-jacking & horizontal-directional drilling situations.

CHARACTERISTICS

- Forms a tight filter cake in unstable formations
- Provides superior borehole & trench stability
- Suitable for all types of geology and soil conditions
- Mixes quickly and easily
- Compatible with most CETCO polymer additives
- Rheology is designed for easy solids removal and recycling of fluid
- Higher yield than API 13A Section 9 specifications

MIXING AND APPLICATION

Mixing ratios are based on the use of freshwater. Water purity will affect bentonite performance. For best results, acidic and hard make-up water should be pre-treated with soda ash to a pH of 8.5–9.5. Mixing is best accomplished by adding CIVIL PRO 125 slowly through a jet/ hopper mixer.

PACKAGING

1 ton or 2 ton supersacks, or bulk.

PROPERTIES @ 40 LB/100 GAL (17 LB/BBL)	
Property	Typical Value
Marsh Funnel	42-48 seconds per qt
Filtrate Max	22.5 mL
Dry Sieve	Typically greater than 80% passing 200 mesh
Wet Sieve	Less than 4% by weight max retained on 200 mesh
Moisture	Less than 12% by weight
Specific Gravity	2.5 g/cc
Bulk Density Non-compacted	53 lbs/ft ³
Bulk Density Compacted	72 lbs/ft ³
pH of Slurry	8.0-9.5

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