

Technical Data Sheet

Pileman[®] - Trenchless

General Description:

Aimed for superior and high technology requirement of HDD, **Pileman[®] -Trenchless** is the recommended bentonite.

Pileman[®] -Trenchless can be used on almost all soil types including sand and rock. The Gel strength is effectively calibrated depending upon the soil strata to ensure proper floatation of the cuttings.

Pileman[®] -Trenchless contains water soluble polymer to deliver higher yield and best to control the pump pressure while displacing high volume of slurry on large diameter drilling. Prevents frack-outs.

Product features:

Economical
Produce thixotropic Gel
Shear thinning fluid, ensuring cutting carrying capacity
The mud is designed to deposit thin low permeability filter cake, ensuring low filter loss.
Cools as well as lubricates the drill bit.

Mixing procedure:

Simply mix 45 kg of **Pileman[®] -Trenchless** in 1000 liter fresh water and the slurry will be ready to use after 20 minutes of mixing, giving a marsh viscosity of 60"

Yield at 145 bbls/sht

Parameter	unit	Results
Free Swelling Volume	ml	28min
pH (3% dispersion)	-	9-10.5
Moisture	%	12 max
Loose Bulk density	g/cm ³	0.85 ±10%
Dry residue # 200	%	20 max
Wet residue # 200	%	< 2%

Concentration	Kg/m ³	45
Hamilton Beach mixer 11000 RPM, 20 minutes		
Marsh Funnel Viscosity	Sec/qt	60 min
Fann Viscosity		
@600	rpm	51
@300	rpm	43
@6	rpm	20
Apparent Viscosity	cPs	25.5
Plastic viscosity	cPs	8
Yield Point	lb./100ft ²	35
10s Gel Strength	lb./100ft ²	19
10min Gel Strength	lb./100ft ²	
Filtrate Loss (under 100 psi after 30min)	ml	20
Water Hardness	ppm	DW
Sand content (wet sieve analysis API)	%	<2%
Dry mesh # 200 passing	%	85



[Star Export House accreditation by Govt. of India]

ISO 9001 : 2015 Quality System

Corporate & Marketing Office :
32A, Chittaranjan Avenue, Calcutta 700012, India
Ph: +91 33 4007 2855 | Mobile: +91 9831013136
Fax: +91 33 2212 2040
Email: amrfeo@amrfeo.com or amrfeo@gmail.com
Web : www.amrfeo.com

Bentonite Processing plant :
Survey no: 583/1 plot 2-6, Bhuj Bacaho Road
Kutch – Gujarat , India

Only in-house production & process:
Bentonite | Drilling Polymer & Cellulose | Drilling Foam | Bentonite Pellets| Super Absorbent Clay