

## Technical Data Sheet

# Pileman®

### General Description:

Pileman® is high yield sodium activated bentonite. It is superbly adaptable to requirement of conventional bored Piling, D-walling and similar technologies. Having a yield of 110 bbl/sht, this product is designed to hold the soil well and result in minimal wall collapse. Also used as non polymer based face slurry thereby giving a near perfect pile. It can also be used in casing repair in oil wells.

### Product features:

- Produces thixotropic Gel
- The slurry is designed to deposit thin low permeability filter cake, ensuring low fluid loss.
- Cools as well as lubricates drilling bit.
- Properly calibrated to work with Easy-Bore™ (Polymer Gel)

### Mixing procedure:

Simply mix 60 kg of Pileman® in 1000 ltr. fresh water and the slurry will be ready to use after 20 minutes of mixing, giving a marsh viscosity 40" or more.

Parameter	unit	Results
Free Swelling Volume	ml	28-33
pH (3% dispersion)	-	8.9-9.5
Moisture	%	12 max
Loose Bulk density	g/cm <sup>3</sup>	0.75-0.85
Dry residue # 200	%	15max
Wet residue # 200	%	< 2%

Rheology in fresh water		
Concentration	Kg/m <sup>3</sup>	60
Marsh Viscosity	Sec/qt	40 min
Gel Strength	Pa	5 min
Yield	bbl/sht	110
API filtrate (30 min under 7kg/cm <sup>2</sup> )	ml	20 max

Bentonite | Polymer | Polymer-Clay Nanocomposites | Surfactant

**Amrfeo pte. ltd.**

*the future of bentonite™*

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An "Export House" recognized by Govt of India  
ISO 9001 : 2008 Company  
Certified bentonite producer by 'Saudi Arabian Standard Organisation'

WELL DRILLING AIDS | HIGH YIELD BENTONITE |

GROUTING | PILING | D- WALLING | THRUST BORING |

SLURRY WALLS | BOREHOLE SEALING | HDD

MICROTUNNELING | PIPE JACKING