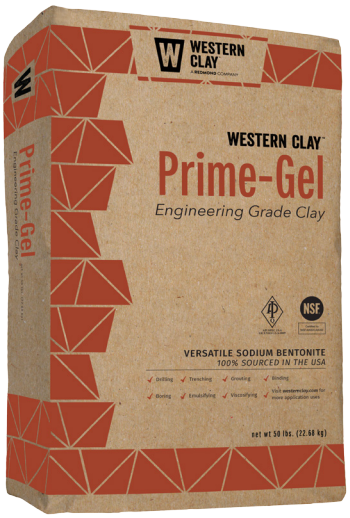
WESTERN CLAY®

A REDMOND COMPANY

Prime-Gel™



DESCRIPTION

PRIME-GEL is a 200 mesh, superior-grade, sodium bentonite which meets or exceeds the current edition of API specification 13A, section 9 bentonite requirements. PRIME-GEL's functions as a viscosifier, suspending agent and filtrate reducer in freshwater drilling systems.

APPLICATION

- Hydraulic Barriers
- Reservoirs
- Municipal Landfills
- Sanitation Lagoons
- Hazardous Material Containment
- Cut-Off Walls
- Tunnel Boring
- Drilling Fluids
- Oil Well Drilling
- Mineral Exploration Drilling
- Water Well Drilling
- Seismic Drilling
- Caisson Drilling
- Horizontal Drilling
- Filtration

TYPICAL PROPERTIES

Product Specification	*Typical PRIME-GEL*	*API 13A, Sec. 9 Specs*
Color	Tan/Red	-
Density	66 lbs ft³ (compact)	-
pH	8.5 to 9.0	-
Barrel Yield	90 minimum	-
Viscometer 600 rpm	42	30 minimum
YP/PV Ratio	1.5	3 maximum
Filtrate Volume	13.7 cm³	15.0 cm³ maximum
Residue > 75 Micrometers	3.0 wt.%	4.0 wt.% maximum
Moisture	7-12 wt.%	-

ADVANTAGES

- Meets or exceeds API Spec 13A Section 9, bentonite standards
- NSF/ANSI Standard 60 Certified
- Cools and lubricates drill bit
- Mixes Quickly and easily in fresh water, or fresh water drilling fluids
- Reduces fluid loss into the formation
- Removes Cuttings
- Stabilizes borehole
- Excellent hard water performance

RECOMMENDED TREATMENT

Approximate Amounts of PRIME-GEL Added to Fresh Water

Condition	*lb/100 gal*	*lb/bbl*	*kg/m³*
Normal Drilling Conditions	30-50	13-22	35-60
To Stabilize Caving Formations	60-80	25-35	70-100
To Stop Circulation Loss	70-95	30-40	85-110

PACKAGING

PRIME-GEL is available in 50 lb. multi-wall paper bags, 3,000 lb. bulk bags, and bulk shipments.

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