

ALSAN SODIUM BENTONITE

Bentonite for Horizontal Drilling

Specially formulated sodium bentonite for HDD and trenchless infrastructure projects.

Reliable mineral solutions for demanding applications

ALSAN Horizontal Drilling Bentonite provides bore stability, efficient spoil removal and controlled filtration across varying ground conditions. It disperses rapidly and develops the rheology required for cuttings transport and reliable filter-cake formation.

Key benefits	Typical applications
- Rapid mixing and hydration - High viscosity and gel strength - Efficient cuttings transport - Stable bore walls - Controlled fluid loss	- Horizontal directional drilling - Pipeline and utility crossings - Cable installation - Pipe jacking - Trenchless infrastructure

Typical technical characteristics

Parameter	Typical target	Test / note
Viscometer reading	Minimum 35	600 rpm
Filtrate loss	Maximum 15 ml	API method
Moisture	Maximum 12%	Oven method
pH of working water	8.5-9.5	Recommended range
Typical dosage	31-40 kg / m ³	Adjust to geology

Application guidance

Water hardness and pH influence bentonite performance. For best results, condition the mixing water to pH 8.5-9.5 when required. Add bentonite gradually through a hopper or jet mixer and allow complete dispersion. Confirm dosage through field trials and adapt it to formation conditions.

Quality assurance

Raw-material selection, moisture, particle size and application-relevant performance values are controlled by batch. The agreed product specification and the certificate of analysis (CoA) for the delivered batch govern conformity assessment.

Packaging and storage

Standard supply is available in moisture-protected bags or big bags. Store in a clean, dry and covered area protected from water and contamination. Grade, packaging and delivery conditions can be adapted to customer requirements.

Technical note

Values shown in this catalogue are typical product targets and are not a binding delivery specification. Please contact ALSAN for grade selection, samples, current specifications and application support.

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