

1. GENERAL INFORMATION

SES-Bentonite API is a high-quality drilling bentonite for use in drilling and microtunneling jobs. Economical product works effectively at low concentrations. Rheological parameters ensure the safe conduct of work under all geological conditions.

2. APPLICATIONS / FUNCTIONS

- Oilfield, Microtunneling, Tunneling and Civil Engineering
- The basic component of drilling system with a low solid content
- Universal fluid for drilling large-diameter vertical
- Bentonite suspension provides a stable borehole
- Provides effective lubrication in the microtunneling technology

3. ADVANTAGES

- Low coefficient of friction in the hole
- Creating a stable gel structures
- Easy to clean in shale shakers and hydrocyclones

4. TYPICAL PROPERTIES

Appearance	beige powder
Specific gravity	2,6 t / m ³
Bulk density	0,9 t / m ³

5. TREATMENT

SES-Bentonite API should be added through the hopper with Venturi jet and circulate until the material is dispersed. Do not overdose.

RECOMMENDED TREATMENT [kg/m³]

Depending on the geological conditions from 40 to 70 [kg / m³]

6. PACKAGING & STORAGE

SES-Bentonite API is packaged in 25 kg multiwall paper sacks a 40 items on pallet or in 650 kg big bags. Store in dry location away from sources of heat or ignition, and minimize dust.

7. HANDLING

Observe the precautions as described in Safety Data Sheet

8. LABORATORY TEST

Parameters	Values according to API Specification	Unit	Measured values	Specification
Concentration	22,5/ 350	g/ml	22,5/350	Spec. API 13 A
Viscometer dial reading at 600 rpm	30	min.	44	Spec. API 13 A
Yield Point/Plastic Viscosity Ratio	3	max.	2,4	Spec. API 13 A
Filtrate Volume	15	cm ³	14	Spec. API 13 A
Residue greater than 75 µm	4	%	1,8	Spec. API 13 A
Moisture	10	%	8,2	Spec. API 13 A

Warranty - This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards observation of all legal regulations including patent laws. Detailed information on handling, and eventual precautions to be observed in the use of the product can be found on our relevant Health and Safety Information Sheet.