



Applications

- ◆ Sealing landfill gas wells
- ◆ Borehole sealing
- ◆ Grouting
- ◆ Geothermal wells
- ◆ Isolating instrumentation and sampling zones

Features

- ◆ Easy to use
- ◆ Easy to mix
- ◆ High gel strength
- ◆ Stable suspension
- ◆ Rapid build up of viscosity
- ◆ Suitable for immediate use after mixing
- ◆ Can be used with traditional mixing equipment

Berkbent 163 is a free flowing powder of premium grade high quality sodium carbonate activated Bentonite, specially formulated to provide rapid development of viscosity and gel strength for drilling and civil engineering slurries.

When dispersed in water, Berkbent 163 swells to many times its volume, rapidly forming a thixotropic gel.

PROPERTIES

Colour:	Light yellowish grey
Odour:	None
pH:	9 - 10
Specific Gravity:	800 to 950kg/m ³
Moisture content %	10-14
% by weight passing BS410	
150 micron sieve	min 95%
Swelling*	
30 mins	27
1 hour	29
2 hours	30
24 hours	32
48 hours	34

- ◆ Test procedure - 10g Bentonite inserted into a 100 ml capacity 30 mm ID glass cylinder.
- ◆ Total swelling volume (mls) recorded with time. 100 ml water added to each cylinder

Packed in 25Kg paper bags, 40 bags per pallet



2 - 12mm



1 - 7mm

High quality activated Bentonite in granule form with high swelling characteristics. A granular product with good handling properties and low dust content.

It is available in two grades

- ◆ 1-7mm Fast swelling
- ◆ 2-12mm Slow swelling

Simple to use it can be poured straight into boreholes without the need for mixing equipment.

Where groundwater is not present then water must be added to provide the necessary swelling and sealing.

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Features

- ◆ Granular form
- ◆ Easy to use & handle
- ◆ Dust free
- ◆ High swelling capacity
- ◆ Low permeability
- ◆ High plasticity
- ◆ Different swelling rates available