

# Technical Data Sheet



## Description

BENTONIL® Q is a standard sodium bentonite for a wide range of civil engineering applications.

PT. CLARIANT ADSORBENT INDONESIA  
BU FUNCTIONAL MANERALS

## Main Applications

- Diaphragm walls
- Bored piling
- Slurry shield tunneling
- Microtunnelling
- Vertical drilling
- Grouting Works

Jl. Raya Narogong Km.  
14 Pangkalan 10, Desa Limusnunggal  
Cileungsi 16820  
West Java/ Indonesia  
[www.clariant.com](http://www.clariant.com)

COPYRIGHT ©  
CLARIANT INTERNATIONAL LTD 2012

EDITION  
June 2014

BENTONIL® Q is a basic bentonite grade and should be used in combination with polymer additives SC MUD, SC GSTP and SC LUB to reach the required rheological level for different jobsite conditions. Please contact your CLARIANT technical representative for a customized mud-formulation according to the ground and water conditions of your project.

## Mud and Product Specification<sup>(\*)</sup>

Wet screen analysis (75µm)	< 4%
Water content	11 ±3
Bulk Density	approx. 750 [kg/ m <sup>3</sup> ]
Swelling Volume	min. 18 [ml/2g]

## **Instruction for use**

It is necessary to apply enough shear during mixing to ensure the correct hydration of the bentonite. Water should satisfy minimum standards of quality. To reach good rheological values we recommend a minimum swelling time of 4-6 hours.

## **Packaging**

packed in 25 kg paper bags, 1000 kg big-bags.

## **Storage and stability**

Keep the product in its original packaging at ambient temperature and protect it from humidity. A loss of rheological and filtrate properties may result from inadequate storage

## **Related document:**

MSDS and application sheet on demand.

---

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application.\* Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

® Trademark registered in many countries and owned by Clariant  
© 2012 Clariant International Ltd, Rothausstrasse 61, 4132 Muttenz, Switzerland