

Technical Data Sheet

BENTONIL® THR



Description

BENTONIL® THR is a very high yielding, sodium bentonite with well-balanced rheological profile, designed to meet the requirements of horizontal and vertical drilling applications.

PT. CLARIANT ADSORBENTS INDONESIA
BU FUNCTIONAL MINERALS

Jl. Raya Narogong Km.
14 Pangkalan 10, Desa Limusunggal
Cileungsi 16820
West Java/ Indonesia
www.clariant.com

Main Applications

- Horizontal Directional Drilling
- Pipe Jacking
- Vertical Drilling

COPYRIGHT ©
CLARIANT INTERNATIONAL LTD 2012

Mud and product specification (*)

Yield Point (YP):	≥ 25 lb/100ft ²
Fann-Value at 6 rpm	≥ 14
Filtrate (30 min)	≤ 25 [ml]
Plastic Viscosity	5-15 mPa
Wet screen analysis (75 µm)	< 2,5 %
Water content	11 ± 3%

EDITION
June 2014

* Obtained with 45 g/l tap water, mixed at 11000 rpm during 10 min, and after 1 h ageing at 20 °C.

Indicative rheological performance after 1h ageing (**)

BENTONIL® THR	Marsh Viscosity (API)	Filtrate (ISO 13500)
35 kg/m ³	40 – 45 s	< 25 ml
45 kg/m ³	>50 s	< 22 ml

** No guaranteed values because the properties are strongly dependent on water quality and mixing procedures.

Instruction for use

The recommended dosage range varies from 35 – 55 kg/m³ and should be adjusted according to the local ground and water conditions applicable. Standard dosage is 45 kg/m³ of water. Water should satisfy minimum standards of quality. It is necessary to apply enough shear during mixing to ensure the correct hydration of the bentonite. To reach good rheological values we recommend a minimum swelling time of 4-6 hours. BENTONIL® THR could be modified by our SC-additives. Contact your CLARIANT technical representative for any further technical information.

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