

## PRODUCT DATA SHEET

# Sika® Stabilizer-100 Bentonite Pilogel SP

### Sodium Activated Bentonite

#### DESCRIPTION

Sika® Stabilizer-100 Bentonite Pilogel SP is supreme yielding, high quality bentonite with well-balanced rheological properties, designed to fit with all necessities of diaphragm walling, piling and similar applications.

#### USES

As sodium activated bentonite its main application are:

- Specifically designed for diaphragm walling and piling
- Suitable for all kind of soil. Grouting stabilization
- Can be used also for tunneling, micro tunnelling, pipe jacking and similar applications

#### CHARACTERISTICS / ADVANTAGES

- Adapted rheology
- Best filtration properties
- Low sensitivity to contaminants
- High trench-stability & productivity
- Improved stability & concreting

#### APPROVALS / CERTIFICATES

Tested according to API Specification 13A ISO 13500 , IS 12446 2007, API (RP 13 B-1)

#### PRODUCT INFORMATION

<b>Composition</b>	Sodium activated Bentonite	
<b>Packaging</b>	25 kg/ bag	
<b>Appearance / Colour</b>	Light Brown Powder	
<b>Shelf life</b>	12 months from date of production if stored properly in undamaged and unopened original sealed packaging.	
<b>Storage conditions</b>	Store in cool dry conditions. Protect from direct sunlight and frost.	
<b>Density</b>	1.01 – 1.10 (Aroid Mud Balance)	
<b>pH-Value</b>	9.0-11.0 (5% Suspension)	
<b>Conventional dry material content</b>	Moisture	10-14%
	Partticle Size (PASSINF 200µ MESH)	< 2.5%
	Sand Content / Grit (WET METHOD on 200µ MESH)	80-85%

#### TECHNICAL INFORMATION

- Specific advice**
- Pre-treat makeup water with Soda Ash to increase pH between 8.5-9.5 to

- maximize product performance
- The optimal dosage varies with each application, desired formulation, but usually ranges from 37-50kg/m<sup>3</sup>
- Recommended mixing time on low speed at least 10 min preferably

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## APPLICATION INFORMATION

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<b>Recommended dosage</b>	Dosage depends on the type of application. Please consult Sika. 37-50 kg/1000 l of water for Barrettes piling / DW 12.5 kg/ 1000 l of water for Bored pilling (Vertical excavation)
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## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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