

PRODUCT DATA SHEET

Sika® Stabilizer-4001 TBM TH

Activated sodium bentonite

DESCRIPTION

Sika® Stabilizer-4001 TBM TH is activated sodium bentonite, a chemically stable clay that provides predictable long term performance suitable for many types of civil engineering applications.

USES

A special property of activated sodium bentonite is its ability to swell when it comes into contact with moisture, which causes the dry clay to form an impervious dense gel. It is used for:

- One or Two components annulus grouting (Shield TBM excavation)
- Micro tunnels
- Micro pilings
- Grouting stabilization
- Foundation pile sealing, etc

CHARACTERISTICS / ADVANTAGES

- Swell into and seal cracks that form in concrete
- Waterproofing
- Ability to seal minor cracks
- Excellent chemical resistance
- Best filtration medium
- High lubricating properties

PRODUCT INFORMATION

Composition	Activated Sodium Bentonite	
Packaging	25 kg/ bag	
Shelf life	12 months from date of production if stored properly in undamaged and unopened original sealed packaging.	
Storage conditions	Stored in dry conditions, protect from direct sunlight and frost.	
Appearance and colour	Powder Light Brown	
Density	2.4-2.6 kg/ lt	
Conventional dry material content	Moisture	< 13%
	Dry Screen (Retained on 75µ MESH)	Min 75%
	Wet Screen (Retained on 75µ MESH)	Max 3%
pH-Value	9.0 - 10.0 (5% Suspension)	

TECHNICAL INFORMATION

Specific advice

When used with other cementitious binder, Sika® Stabilizer-4001 TBM TH is to be added first into the mixed with high stirring energy prior cement introduction for at least min 3 min.

APPLICATION INFORMATION

Recommended dosage

Dosage depends on the type of application. Please consult Sika.

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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