

PRODUCT DATA SHEET

Sika® Stabilizer-3215 TBM GB

Anti-clay polymer for TBM

PRODUCT DESCRIPTION

Sika® Stabilizer-3215 TBM GB is a liquid polymer, specially designed for clay rich soils with clogging and adhesion issues.

USES

- Reducing stickiness and adhesiveness of the clay, allowing easy and convenient transport of tunnelling spoil and reducing the risk of TBM blockage.
- Sika® Stabilizer-3215 TBM GB can be used with the standard polymer injection systems installed on EPB machines. It can be injected at the cutterhead, into the excavation chamber and screw conveyor.

CHARACTERISTICS / ADVANTAGES

- Disperses clay, reducing its stickiness and adhesiveness, even under pressure or high temperature of the cutterhead and in the excavation chamber.
- Reduces the torque and increases the TBM penetration rate.
- Prevents the formation of lumps which can block the metal parts of the TBM.
- Reduces the separately injected water to reduce torque.
- Facilitates the extraction of spoil by screw conveyor and conveyor belt.

PRODUCT INFORMATION

Packaging	200 L Drum
Appearance / Colour	Colourless to yellow liquid.
Shelf Life	12 months from date of production.
Storage Conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +40 °C.
Specific gravity	1.31-1.37 kg/L

APPLICATION INFORMATION

Recommended Dosage	<p>Sika® Stabilizer-3215 TBM GB is a liquid polymer, specially designed for clay-rich soils with clogging and adhesion issues. The typical consumption (0.5 - 2.0 kg/m³ of excavated ground) depends on the following parameters:</p> <ul style="list-style-type: none">▪ Plasticity Index (PI) and stickiness of the clay.▪ Quantity of water added to the excavated muck.▪ Cutterhead design (opening ratio).
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SYSTEM INFORMATION

Compatibility

Compatible with Sika® Stabilizer soil conditioning agents. Contact Sika Technical Services for additional information.

VALUE BASE

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

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION

1. Conduct preliminary trials in the laboratory to determine injection parameters, such as dosage (Cp).
2. Use the Product with any standard TBM polymer injection systems. It can also be injected in foam lines, before and after the generator.
3. Analyse the TBM data regularly to monitor Product performance.

CLEANING OF TOOLS

Clean all tools and application equipment with warm water.

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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