

PRODUCT DATA SHEET

Sika® Stabilizer-3214 TBM

STRONG ANTI CLAY POLYMER FOR TBM

DESCRIPTION

Sika® Stabilizer-3214 TBM is a strong liquid polymer used in clay soils with clogging and adhesion issues. The Product is injected to increase dispersion of clay, facilitate excavation and muck removal during tunneling in sticky clay formations.

USES

Sika® Stabilizer-3214 TBM is used for:

- Reducing stickiness and adhesiveness of the clay, allowing easy and convenient transport of muck and reducing the risk of TBM blockage.

CHARACTERISTICS / ADVANTAGES

- Disperses clay, reducing its stickiness and adhesiveness, even under pressure or high temperature in TBM
- Reduces the torque and favours the increase of TBM penetration rate
- Prevents the formation of lumps which can block the metal parts of the TBM
- Facilitates the extraction of muck by screw conveyor and conveyor belt
- Ready for use

PRODUCT INFORMATION

Chemical Base	Sulfonated polymer	
Packaging	Intermediate Bulk Container (IBC) <u>1,000 L</u>	
	Refer to the current price list for available packaging variations.	
Shelf Life	6 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. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Appearance / Colour	Liquid, dark brown	
Density	(1.116 ± 0.01) kg/L	(EN ISO 2811-1)

SYSTEM INFORMATION

Compatibility	Compatible with Sika® admixtures and other Sika® products. Contact Sika Technical Services for additional information.
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APPLICATION INFORMATION

Recommended Dosage

As a guide, the normal dosage of the Product is between 0.5 – 2.0 kg/m³ of soil in situ.

The dosage of the Product depends on the following variables:

- Plasticity Index (PI) and stickiness of the clay
- Quantity of water added
- Soil permeability

Contact Sika Technical Services for additional information.

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 Safety Data Sheet (SDS) containing 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. Inject the Product either in a dedicated polymer line, separate from foaming lines, or through the same foaming line before and after the foam generator.
3. Analyse the TBM data regularly to monitor Product performance.

CLEANING OF TOOLS

Clean equipment with warm water and detergent immediately after application.

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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