



PRODUCT DATA SHEET

Sika® Stabilizer-3220 TBM

Superabsorbent polymer powder for TBM - EPBM tunneling (formerly Sika® Foam TBM-220 P)

PRODUCT DESCRIPTION

Sika® Stabilizer-3220 TBM is a water absorbing organic polyacrylamide polymer powder. It is formulated for the purpose of absorbing water from the excavation chamber during earth pressure balance machine (EPBM) tunneling operations.

WHERE TO USE

- In the excavation chamber of earth pressure balance machines (EPBM) to absorb water.

CHARACTERISTICS / ADVANTAGES

- Absorbs water up to 50–200 times its own weight
- Improves the lubricating properties of standard polymer fluids
- Swells with ground water to seal cracks and cavities to reduce the loss of circulating fluids
- Wastewater can be converted into a solid granular mass for easy removal
- Reduces the risk of the excavation chamber being filled with water and liquified soil during stoppages

PRODUCT INFORMATION

Composition / Manufacturing	Polyacrylamide
Packaging	25 kg bags Refer to current price list for packaging variations
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +40 °C. Always refer to packaging.
Appearance / Colour	Powder, Granular appearance (0.5–3.2 mm)
Density	0.800 kg/l ± 0.050 kg/l
Solubility	Insoluble in water

SYSTEMS

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 required to absorb water.
Absorption capacity: up to a maximum of 200 times its weight
Contact Sika Technical Services for additional information.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & SAFETY

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

DISPENSING

Inject through standard TBM dosing equipment.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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