



PRODUCT DATA SHEET

Sika® Stabilizer-2201 TBM

EPBM TBM tail seal sealant (formerly Sika® Stabilizer TBM TS-2)

PRODUCT DESCRIPTION

Sika® Stabilizer-2201 TBM is a hydrocarbon free, tail seal sealant for earth pressure balance machines (EPBM) in tunnelling excavation.

WHERE TO USE

- Designed for use in urban areas where soil and ground water could come in contact with the TBM excavation
- Filling the gap at the extrados of the precast segments lining, especially in TBMs with two component backfilling grout injections
- Sealing of the tail seal brushes preventing grout, water, foam, soil inflows and washout effects
- Avoids pollution of soils and water

CHARACTERISTICS / ADVANTAGES

- Good adhesion to concrete and steel in wet and dry conditions
- Ensures a seal between the inside of the shield and the outside environment
- Good anti-washout properties and watertightness
- Withstands high water pressure
- High resistance to pressure, stress and wear
- Good pumpability
- Lower consumption compared with hydrocarbon-based tail seal greases
- Hydrocarbon free
- Easy to handle

PRODUCT INFORMATION

Composition / Manufacturing	Hydrocarbon free, inorganic, vegetable compound.
Packaging	60 kg and 260 kg drums Refer to current price list for packaging variations.
Shelf Life	6 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	Fibrous paste, grey
Density	1.450 kg/l ± 0.020 kg/l
Solubility	Not soluble.

SYSTEMS

Compatibility Compatible with Sika® admixtures and other Sika® products.



APPLICATION INFORMATION

Recommended Dosage

Standard consumption is 0.5–1.5 kg/m² of the external surface of concrete precast rings and segments.
Consumption can change due to precast segments surface roughness, brushes conditions, segments alignment, etc.
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

Sika® Stabilizer-2201 TBM is pumped through the grease lines between the rows of brushes in the gap between the tailskin and the lining segments segments using the equipment already installed in the machine.

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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