

PRODUCT DATA SHEET

Sika® Stabilizer-2132 TBM

FIRST-FILL, TAIL SEALANT GREASE FOR SHIELDED TBMs

DESCRIPTION

Sika® Stabilizer-2132 TBM is a first-fill, tail sealant grease for shielded TBM equipped with a metal brush system. It is formulated to resist high water and ground pressures, has very good pumping properties, and adheres very well to all types of surfaces.

USES

Sika® Stabilizer-2132 TBM is used for:

- Sealing and protecting the metal brushes located in the tail shield before TBM start-up.

CHARACTERISTICS / ADVANTAGES

- Sealing properties designed for any current metal brush system
- Very good adhesion to metal and concrete surfaces
- Easy to pump with flexible pipe
- Improved consistency
- Resistant to washout
- Non-miscible with annulus grout

PRODUCT INFORMATION

Packaging	Drum	70 kg and 250 kg for press plate pumps
Refer to the current price list for available packaging variations.		
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 +5 °C and +35 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Appearance / Colour	Homogeneous paste, light grey	
Density	(1.79 ± 0.05) kg/L	(EN ISO 2811-1)
Solubility	Non-soluble in water	
Consistency	Tested at +20 °C	200 ± 10 (ASTM D217)

TECHNICAL INFORMATION

Specific Advice	<u>Matsumura sealing test</u>	<u>34 bar (passed)</u>
	<u>Load hysteresis value (at 10mm)</u>	<u>6.0 N</u>
	<u>Sliding on metal surface (dropping time)</u>	<u>> 45 min</u>
	<u>Water spray-off test</u>	<u>< 5%</u>

SYSTEM INFORMATION

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

APPLICATION INFORMATION

Consumption Average consumption to fill a three-row brush system is 50 kg/m of shield circumference.
Consumption depends on site conditions before the TBM excavation, and the condition of the metal brushes.
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

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

- IMPORTANT** Avoid discharge of the Product into the environment. Before starting up the TBM, apply the Product onto the metal brushes with a grease pump. Make sure the grease pump is as close as possible to the TBM.
Note: Keep the grease temperature above +15 °C during application.
- Perform the initial filling with a separate flexible pumping hose (minimum diameter 2"). Make sure that there is no obstruction or bottleneck after the pump.

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Note: Fit a flat tube to the end of the hose in order to ease the filling operation and ensure not to damage the brushes.

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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