

## PRODUCT DATA SHEET

# Sika® Stabilizer-2131 TBM

First fill, fire-resistant tail sealant grease for shielded TBMs

### DESCRIPTION

Sika® Stabilizer-2131 TBM is a fire-resistant, first-fill tail sealant grease for shielded TBM. It effectively seals the brushes located in the tail shield.

### USES

Sika® Stabilizer-2131 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

<b>Packaging</b>	Drum	260 kg for press plate pumps
<b>Shelf Life</b>	12 months from date of production	
<b>Storage Conditions</b>	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.	
<b>Appearance / Colour</b>	Homogeneous paste, light grey	
<b>Density</b>	~(1.54 - 1.64) kg/L	(EN ISO 2811-1)
<b>Solubility</b>	Non-soluble in water	
<b>Consistency</b>	Tested at +20 °C	195 ± 10 (ASTM D217)

### TECHNICAL INFORMATION

<b>Specific Advice</b>	Matsumura sealing test	34 bar (passed)
	Load hysteresis value (at 10mm)	5.0 N
	Sliding on metal surface (dropping time)	> 90 min

## 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 16.5 kg/m of shield circumference.  
Consumption depends on brushes condition.  
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. **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.
2. 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.  
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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