

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.

FEATURES

- 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	260 kg for press plate pumps
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 +50 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Appearance and colour	Homogeneous paste, light grey	
Density	(1.59 ± 0.05) kg/l	(EN ISO 2811-1)
Solubility	Non-soluble in water	
Consistency	Tested at +20 °C	195 ± 10 (ASTM D217)

TECHNICAL INFORMATION

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

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.
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SYSTEM INFORMATION

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

All technical data stated in this 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

1. 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. **IMPORTANT** Avoid discharge of the Product into the environment.
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

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 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.

Sika Gulf B.S.C. (c)
Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC
Sika MB Construction Chemicals LLC
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited
Sika Construction Chemicals for Manufacturing LLC
Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 12 692 7079
Email: info@sa.sika.com
Web: gcc.sika.com

Sika LLC - Oman
Master Builders Solutions LLC
(part of Sika)
Tel: +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS
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ISO 9001, 14001 – TÜV
- Sika MB Construction Chemicals LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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