

PRODUCT DATA SHEET

Sika® Stabilizer-2131 TBM

(formerly MasterRoc® TSG 870)

FIRST FILL FIRE RESISTANT TAIL SEALANT FOR SHIELDED TUNNEL BORING MACHINES (TBM)

DESCRIPTION

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

USES

It effectively seals the brushes located in the tail shield.

CHARACTERISTICS / ADVANTAGES

- Excellent sealing properties
- Excellent adhesion to any metal or concrete surfaces
- Good pumping properties.
- Pumping system recommended to be close to the application location
- Excellent consistency and sealing properties
- Proper adhesion to any metal or concrete surfaces
- Very high washout resistance
- Non-miscible with annulus grout

PRODUCT INFORMATION

Packaging	260 kg steel drums for press plate pumps. 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 +35 °C. Always refer to packaging.
Appearance / Colour	Homogeneous paste, light grey
Density	1,590 kg/l ± 0,050 kg/l
Solubility	Not soluble
Consistency	~195 ± 10 (+20 °C) (ASTM D217)

TECHNICAL INFORMATION

Specific Advice	Matsumura sealing test:	34 bar (passed)
	Load Hysteresis Value [N @10mm]:	5.0
	Sliding on metal surface [min] - (dropping time):	>90

SYSTEM INFORMATION

Compatibility	Compatible with other Sika admixtures. Compatible with one and two-components backfill grout systems in use in TBMs. Compatible with all brush systems. Contact Sika Technical Services for additional information.
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APPLICATION INFORMATION

Consumption	The average consumption to fill a 3-row brush system is 50 kg per meter shield circumference. Consumption can change depending on the conditions on site and due to the brush condition. Contact Sika Technical Services for additional information.
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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

Sika® Stabilizer-2131 TBM is applied onto the new brushes before the start-up of the TBM. It is strongly recommended to apply the product with the help of a grease pump. In order to minimize the pumping distance, move the grease pump as close as possible to the TBM shield. It is recommended to keep the grease temperature above 15°C. For the initial filling, use a separate flexible pumping hose (with minimum diameter 2") and make sure that there is no obstruction or bottleneck after the pump. A special flat tube shall be fitted to the end of the hose in order to ease the filling operation and ensure not to damage the brushes.

CLEANING OF TOOLS

Deliberate discharge of the product into the environment must be avoided.

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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Product Data Sheet

Sika® Stabilizer-2131 TBM
March 2024, Version 02.01
021404071000000125

SikaStabilizer-2131TBM-en-SG-(03-2024)-2-1.pdf

