

PRODUCT DATA SHEET

Sika® Stabilizer TSG 7

(formerly MasterRoc® TSG 7)

First Fill Tail Sealant for Shielded Tunnel Boring Machines (TBM)

DESCRIPTION

Sika® Stabilizer TSG 7 is a tail sealant for shielded tunnel boring machines. It is used for the initial filling of the voids of the tail brushes located between the shield and concrete segments. It is formulated to resist high water and grout pressures, and has excellent adhesion to all types of surfaces. It is designed as a first fill sealant.

USES

- Tunnelling with shielded TBMs equipped with a brush seal system.

CHARACTERISTICS / ADVANTAGES

- Excellent sealing properties
- Excellent adhesion to any metal or concrete surfaces
- Good pumping properties if pumping system is moved close to the application location

PRODUCT INFORMATION

Packaging	Standard 70 kg or 250 kg steel drums for press plate pumps.
Appearance / Colour	Light Grey, Homogenous Paste
Shelf Life	If stored in original tightly closed drums it has a shelf life of 12 months.
Storage Conditions	Should be stored at 5°C - 35°C
Density	1670 ± 50 kg/m ³ at 20°C

Product Declaration

- Odour → Slight Odour
- Consistency ASTM D 217 [1/10 mm] → 218 ± 10
- Water Spray Off ASTM D 4049 → <5%
- Matsumara Sealing Test → 34.3 bar
- Volatility ASTM D 972 → <2%
- Oil Dropping Point ISO 2176 → >170°C
- Thermal Decomposition → >180°C
- Sulfated Ashes → >50%
- Insoluble Matter → >50%

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 should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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