



## PRODUCT DATA SHEET

# Sika® Stabilizer-2030 TBM

TBM main bearing sealant

### PRODUCT DESCRIPTION

Sika® Stabilizer-2030 TBM is a main bearing sealant for tunnel boring machines (TBM) in tunnelling excavation.

### WHERE TO USE

The Product is used in the seals and the head labyrinth of tunnel boring machines to:

- Provide a barrier against the ingress of water and excavated materials
- Protect the main bearing from water, mud, ground, dust and foam contamination
- Prevent soil contamination

Please note:

- The Product may only be used by experienced professionals.

### CHARACTERISTICS / ADVANTAGES

- Good lubrication properties
- Good adhesion even on wet surfaces
- Good water washout resistance
- Stable under pressure
- Non-soluble
- Suitable for pumping
- Easy to handle and use

### PRODUCT INFORMATION

<b>Composition / Manufacturing</b>	Hydrocarbon derivatives and vegetable oils
<b>Packaging</b>	215 kg drums
<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 +40 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.
<b>Appearance / Colour</b>	Fibrous paste, black
<b>Density</b>	(1.20 ± 0.05) kg/l (EN ISO 2811-1)
<b>Solubility</b>	Non-soluble in water
<b>Flash Point</b>	> +190 °C (ASTM D92)



## TECHNICAL INFORMATION

<b>Specific Advice</b>	<u>Water washout</u>	<u>&lt; 3 %</u>	(ASTM D1264)
	<u>"4-balls" wear test</u>	<u>&lt; 0.9 mm</u>	(ASTM D2266)

## SYSTEMS

<b>Compatibility</b>	Compatible with Sika® admixtures and other Sika® products. The seal material "85 NBR B248" has shown non-critical changes and a good resistance behaviour to this Product. Contact Sika Technical Services for additional information.
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## APPLICATION INFORMATION

<b>Recommended Dosage</b>	Depending on the geology and the type and size of the main drive in the TBM, the consumption may vary. Contact Sika Technical Services for additional information.
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<b>Product Temperature</b>	<u>Minimum</u>	<u>+5 °C</u>
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## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## ENVIRONMENT, HEALTH & 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

### DISPENSING

#### IMPORTANT

##### Application by trained personnel

The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

##### Transportation in hot or cold temperatures

Note: Temperature extremes during transportation will change the viscosity of the Product.

1. After transportation at temperatures  $< +5\text{ }^{\circ}\text{C}$  or  $> +40\text{ }^{\circ}\text{C}$ , store the Product at  $+15\text{ }^{\circ}\text{C}$  to  $+20\text{ }^{\circ}\text{C}$  for 24 hours before using.

### Preconditions

The suitability of the Product for the required use has been assessed.

1. Pump the Product using the main drive equipment installed in the TBM.
2. Analyse the TBM data regularly to monitor Product performance.

## 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

#### Sika Canada Inc.

Head Office  
601, avenue Delmar  
Pointe-Claire, Quebec  
H9R 4A9  
1-800-933-SIKA  
[www.sika.ca](http://www.sika.ca)

#### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)