

## PRODUCT DATA SHEET

# Sika® Stabilizer-3001 TBM

Liquid water-control polymer for soil conditioning in TBM

## DESCRIPTION

Sika® Stabilizer-3001 TBM is a liquid polymer used to enhance the performance of foaming agents during conditioning of difficult ground conditions.

## USES

Sika® Stabilizer-3001 TBM is used for:

- Enhancing the performance of soil conditioning products in difficult ground conditions, such as poorly graded and water-saturated ground

## CHARACTERISTICS / ADVANTAGES

- Reduces water problems in soils containing fine sand or silt
- Reduces soil permeability very quickly
- Creates plastic deformation properties in the soil, which increases face stability
- Improves face excavation support pressure and control
- Reduces inner friction and abrasiveness of the soil at the cutterhead and shield
- Increases the cohesion of coarse sands and gravels
- Strong viscosifying effect, turning wet soil into a more manageable consistency
- Helps the formation of the plug when injected directly into the screw conveyor
- Ready for use: no mixing required

## PRODUCT INFORMATION

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|---------------------|---|
| Chemical Base       | Polymer aqueous solution  |
| Packaging           | 1000 L (IBC)  |
| 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 +35°C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage. |
| Appearance / Colour | Liquid / Transparent  |
| Density             | approx 1.030 - 1.050 kg/L   |
| Solubility          | Soluble in water  |

## SYSTEM INFORMATION

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| <b>Compatibility</b> | Compatible with Sika® admixtures and other Sika® products.<br>Contact Sika Technical Services for additional information. |
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## APPLICATION INFORMATION

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| <b>Recommended Dosage</b> | The dosage of the Product depends on the following variables: <ul style="list-style-type: none"><li>▪ TBM operation mode</li><li>▪ Amount and quality of groundwater</li><li>▪ Type of excavated ground</li></ul> Note: Preliminary laboratory trials are always recommended to determine the optimum consumption and injection parameters.<br>Contact Sika Technical Services for additional information. |
| <b>Consumption</b>        | 0.2–2 kg/m <sup>3</sup> of soil  |

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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

Product application is very versatile. For better performance, it is recommended to inject the Product directly into the excavation chamber through a polymer line separate from foam lines. It can also be injected into the foam lines, before or after the generator. The Product is fully compatible with any surfactant.

## 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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