

## PRODUCT DATA SHEET

# Sika® Stabilizer-100 BH

### FOAMING ADMIXTURE

#### DESCRIPTION

Sika® Stabilizer-100 BH is a general purpose liquid admixture formulated to provide pre-foam for the production of lightweight, low density concrete and mortars. Suitable for use in hot and tropical climatic conditions.

#### USES

Sika® Stabilizer-100 BH is especially suitable for any application where stable lightweight concrete and mortar is required, preferably with densities from 1000 to 2000 kg/m<sup>3</sup>. Sika® Stabilizer-100 BH is mainly used as admixture for following applications:

- Thermal insulation
- Void fill
- Compensation / insulation layer in building construction and civil engineering
- Lightweight construction, flowable fill material, e.g. for excavations, old channels, disused underground tanks, etc.
- Filling utility trenches and pipes (backfill)

#### CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer-100 BH provides the following beneficial properties:

- Strong foaming properties
- Better workability with lower viscosity
- Improved pumpability
- Controlled adjustment of density
- Improved water retention
- Less segregation and bleed
- Increased thermal insulation value

#### PRODUCT INFORMATION

<b>Composition</b>	Organic surfactant
<b>Packaging</b>	20 liter pail
<b>Shelf life</b>	12 months from date of production if stored properly
<b>Storage conditions</b>	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost.
<b>Appearance and colour</b>	Clear to yellowish liquid
<b>Density</b>	~1.03 kg/l (+25 °C)

# APPLICATION INFORMATION

<b>Recommended dosage</b>	<p>0.3 - 1.0 % by weight of binder. Higher dosages by weight of binder can be used depending on the mix design, raw materials, climatic conditions and concrete requirements.</p> <p>Consumption of Sika® Stabilizer-100 BH through a foaming device shall be in the range of 0.15 – 0.23 kg per 100 liters of foam. The required amount of foam depends on the desired density or other target properties of the final product. We recommend carrying out trials to establish the correct dosage for the materials and mix design being used on site.</p>
<b>Dispensing</b>	<p>Performance will be greatly enhanced if dispensed via a foam generator device.</p> <p>Sika® Stabilizer-100 BH is added to the gauging water or added with it into the concrete mixer. Do not dose into the dry mix-design components. A wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended.</p> <p>When added on site the truck mixer shall rotate its drum at maximum revolutions for at least 1 minute per m<sup>3</sup> concrete and a minimum of 5 minutes to achieve a uniform mix.</p>
<b>Compatibility</b>	<p>Sika® Stabilizer-100 BH may be combined with other Sika® products as well as with many other additives used in gypsum, mortar and concrete applications. Always conduct trials before application in specific mixes and contact our technical service for information about specific combinations with Sika products.</p> <p>Impurities by e.g. oils, form oils, protective agents for mixers and machinery or aluminum particles may cause an uncontrolled variation of air void contents.</p> <p>Please consult our Sika Technical Department.</p>

## 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.

## 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.

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ISO 9001: Sika UAE LLC,  
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ISO 14001: Sika UAE LLC,  
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Sika Saudi Arabia Limited,  
Sika International Chemicals LLC,  
ISO 45001: Sika UAE LLC,  
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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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