

## PRODUCT DATA SHEET

# Sika® Stabilizer Pump-100

### POWDERED PUMPING AID ADMIXTURE

#### PRODUCT DESCRIPTION

Sika® Stabilizer Pump-100 is a universal powdered pumping aid concrete admixture which improves the pumpability of difficult concrete mixes and protects concrete pumps and pipes from excessive wear. It may be added to the concrete in the drum of a ready mix truck or at the batching plant.

#### USES

Suitable for the following concrete mixes:

- Variable fines
- Low cement content
- Poor particle size distribution (granulometry)
- Low water retention capacity
- Mixes which tend to segregate when pumped and/or create very high pump pressures
- Mixes with contaminated aggregates (i.e. with dirt and debris) can be pumped without excessive pump pressure

#### CHARACTERISTICS / ADVANTAGES

- Increases the internal cohesion, plasticity and flexibility of the fresh concrete
- Pump efficiency is improved
- Improves concrete mix workability and pumping characteristics
- Stress on the concrete pump and pipes is reduced
- Pumping equipment life is extended
- Has no negative effects on hardened concrete properties
- Does not contain chlorides or any other substances which promote steel corrosion

## PRODUCT INFORMATION

<b>Chemical Base</b>	Modified polyglycole
<b>Packaging</b>	1kg water-soluble bags _____ 20 bags per sealed container Refer to current price list for packaging variations.
<b>Appearance / Colour</b>	Light grey powder
<b>Shelf Life</b>	24 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.
<b>Density</b>	~2700 kg/m <sup>3</sup>
<b>Total Chloride Ion Content</b>	< 0,1 %
<b>Equivalent Sodium Oxide</b>	< 1 %

## TECHNICAL INFORMATION

<b>Concreting guidance</b>	The standard rules of good concreting practice, concerning production and placing must be followed. Laboratory trials must be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible.
<b>Concrete Mix Design</b>	When using Sika® Stabilizer Pump-100, a suitable mix design must be calculated. The local material sources used within the mix design must always be trialled and approved for suitability before commencement of the project.

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	1 bag/m <sup>3</sup>
<b>Compatibility</b>	Sika® Stabilizer Pump-100 may be combined with many other Sika products. Trials must always be carried out before combining products in specific mixes. Contact Sika Technical Services for additional information and any specific combinations.
<b>Dispensing</b>	Sika® Stabilizer Pump-100 can be added to the concrete in the drum of a ready mix truck or at the batching plant with the aggregate or cement to assist dispersion. A wet mixing time at the batching plant of at least 90 seconds is recommended (dependant on mixing conditions and mixer performance). When added to the concrete in the drum of a ready mix truck at the job-site. In this case, an additional mixing time of at least 1 minute per m <sup>3</sup> of concrete (minimum 5 minutes) must be completed before placement. Before pumping, check the concrete visually for a uniform consistency.

## VALUE BASE

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.

## 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.

## 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.

## 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.

### SIKA LIMITED

Watchmead  
Welwyn Garden City  
Hertfordshire, AL7 1BQ  
Tel: 01707 394444  
Web: [www.sika.co.uk](http://www.sika.co.uk)  
Twitter: @SikaLimited

### SIKA IRELAND LIMITED

Ballymun Industrial Estate  
Ballymun  
Dublin 11, Ireland  
Tel: +353 1 862 0709  
Web: [www.sika.ie](http://www.sika.ie)  
Twitter: @SikaIreland



Product Data Sheet  
Sika® Stabilizer Pump-100  
February 2019, Version 01.01  
021304011000000055

SikaStabilizerPump-100-en-GB-(02-2019)-1-1.pdf