

PRODUCT DATA SHEET

Sika® Stabilizer-40

Concrete Cohesion Promoter

DESCRIPTION

Sika® Stabilizer 40 is specially developed for SCC (self-compacting concrete) or standard concrete where improved stability is required during transportation and placement.

USES

Sika® Stabilizer 40 is used to increase the cohesiveness of high slump type concrete. It enables concrete to flow easily through confined spaces without segregation and bleeding.

CHARACTERISTICS / ADVANTAGES

- Assists in stabilizing SCC (self-compacting concrete) mixes
- Helps eliminate segregation and bleed
- Improves flowability
- Maintains workability
- Reduces filler contents
- Improves surface finish
- Improves concretes containing gap graded aggregates
- Higher slumps and spreads are achievable.

PRODUCT INFORMATION

Chemical Base	Polymer solution
Packaging	200 litre plastic drums, 1000L IBC
Appearance / Colour	Clear brown liquid
Shelf Life	12 months from date of production
Storage Conditions	Store in original unopened, undamaged sealed containers, protected from direct sunlight and frost at temperatures between +5°C and +30°C.
Density	~1.02 kg/l
pH-Value	Approx. 8
Concrete Mixing Time	Sika Stabilizer 40 can be added at the plant or on site. When added at the plant Sika Stabilizer 40 should be added with the mixing water and should on no account be added to dry cement. When added on site, once Sika Stabilizer 40 has been added, the mixer trucks should rotate their drums at maximum revolutions for a minimum of 1 minute per m ³ or a minimum of 5 minutes to achieve a uniform mix.
Recommended Dosage	0.1 - 2.0% of Cement weight. For optimum dosage site trials are recommended.
Compatibility	Sika Stabilizer 40 can be used in conjunction with the following Sika products (trials are recommended before use): <ul style="list-style-type: none"> ▪ Sika Rapid-2

- Sika Retarder
- Sika Aer
- Sika ViscoCrete Range
- Plastiment BV40

There may be a slight decrease in slump or spread when using Sika Stabilizer 40. This may require an increase of HRWR.

LIMITATIONS

The later addition of water after the addition of Sika® Stabilizer 40 has only a small effect on the consistency of the concrete as the water is absorbed by the Sika® Stabilizer 40. Although Sika® Stabilizer 40 promotes cohesion, an optimum fines content in the concrete should however, still be used.

Slight agitation is recommended before use.

Standard practices for good concrete production as well as concrete placing must be strictly adhered to. Fresh concrete must be cured properly.

Contact your local Sika company for any additional technical support required.

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.

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

Must be disposed of in accordance with local regulations. Please consult material safety data sheet.

Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the Material Safety Data Sheet.

To avoid allergic reactions, we recommend the use of protective gloves and facial mask. In case of contact with skin or eyes, immediately wash thoroughly with plenty of water. Sika® Stabilizer 40 should not be discharged into drains, waterways or the ground. Local regulations and health and safety advice on the packaging labels must be observed.

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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