

## PRODUCT DATA SHEET

# Sika® Stabilizer-4 R IN

Viscosity modifying agent for concrete

### DESCRIPTION

Sika® Stabilizer-4 R IN is a concrete admixture that increases the stability and cohesiveness of concrete and mortar.

### USES

Sika® Stabilizer-4 R IN has been specially developed for Self Compacting Concrete (SCC) and can also be used for other concretes, where improved stability during transportation and placing is required. It improves the fresh concrete properties of mixes with varying fines content, low cement content or concrete mixes with unfavourable grading curves.

Sika® Stabilizer-4 R IN is used for:

- Self Compacting Concrete (SCC)
- Shotcrete applications
- Pumped concrete
- Site Batched concrete
- Low fines content concrete

### PRODUCT INFORMATION

Chemical base	Biopolymer
Packaging	50kg, 230 kg
Appearance / Colour	Hazy Viscous Liquid
Shelf life	6 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost. Stir thoroughly before use.
Density	~ 1.00 kg/l at 25°C
pH-Value	≥ 6

### CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer-4 R IN provides the following characteristics and advantages in the fresh concrete properties:

- Strongly increased internal cohesion of the mix
- Lower sensitivity against variations in the constituent materials
- Homogenous mix
- Reduces bleeding
- Lower tendency to segregation
- Improvement in pumping of concrete

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	Recommended dosage: 0.2 – 1.0% by weight of cement / binder. Actual dosage to be finalised on the basis of site trials. Stir the drum well before use.
<b>Compatibility</b>	Sika® Stabilizer-4 R IN may be combined with many other Sika® products. Compatible with all types of cements and cementitious materials. Important: Always conduct trials before combining products in specific mixes and combinations.
<b>Dispensing</b>	Sika® Stabilizer-4 R IN is added to the cement-aggregate-sand mix at the batching plant after the gauging water and necessary corrections. Do not add to the dry mix. Sika® Stabilizer-4 R IN slightly influences the viscosity of the concrete mix, which is being stabilized also in case of too high water content and prevents segregation. Sika® Stabilizer-4 R IN is normally combined with a high performance super plasticizer such as SikaPlast® or Sika® ViscoCrete® and is added separately.

## 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.

## IMPORTANT CONSIDERATIONS

Sika® Stabilizer-4 R IN is normally combined with a high performance superplasticizer, such as SikaPlast® or Sika® ViscoCrete®. However air entraining agents (Sika® Aer), retarders (Sika® Retarder) or accelerators (Sika® Rapid) may be used. In combination with these products, pre-trial is recommended. For important projects, please contact our Technical Services Department.

## 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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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.

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