

PRODUCT DATA SHEET

SikaControl®-50

Shrinkage reducing admixture

DESCRIPTION

SikaControl®-50 is a liquid shrinkage reducing admixture used to produce high performance concrete with greatly reduced drying shrinkage.

USES

SikaControl®-50 is designed for the following applications:

- Cement based Self levelling screed concepts Sika Viscochape and Sika Levelchape HCS
- Concrete floors where reduced shrinkage minimizes risk of shrinkage cracking for the same joint spacing, and allows greater joint spacing without increasing the risk of shrinkage cracking.
- Thin bonded topping slabs, to minimize the difference in shrinkage between the new topping and the existing substrate.

- Concrete elements which are restrained against shrinkage.
- For durable concrete in marine environments.
- For watertight concrete in reservoirs, sewage treatment plants, and dams.

CHARACTERISTICS / ADVANTAGES

- Greatly reduced drying shrinkage & resulting cracking.
- Reduces the potential for slab curling.
- Substantially improved impermeability, resulting in improved concrete durability.
- Can be used for air entrained or non air entrained concrete.

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 200 Litre drums ▪ 1000 Litre IBC
Appearance / Colour	Colourless liquid
Shelf Life	36 months from date of production if stored properly in original, unopened packaging.
Storage Conditions	Protect from direct sunlight and frost.
Density	0,935 ± 0,02
Total Chloride Ion Content	≤ 0,1 %
Equivalent Sodium Oxide	≤ 0,5 %
Recommended Dosage	0.2 - 5% by weight of cement
Dispensing	SikaControl®-50 is added to the gauging water or added with it into the concrete mixer.

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

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.

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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Product Data Sheet

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