

PRODUCT DATA SHEET

Sika® Antifreeze 1%

Cold Weather Concreting Admixture

DESCRIPTION

A safe economical admixture in liquid form for producing high quality concrete at moderately low temperatures.

USES

Sika® Antifreeze 1% is ready for use in cold conditions such as:

- Slight daytime frost
- Expected overnight frost
- Expected cold periods
- when under normal conditions work would have to stop

CHARACTERISTICS / ADVANTAGES

Sika® Antifreeze 1% provides the following properties:

- Improves workability without increased water
- Reduction in water without loss of workability
- Increased frost resistance
- Improved strengths
- Chloride free-does not attack reinforcement

PRODUCT INFORMATION

Composition	Special salts
Packaging	200 kg drums
Shelf life	18 months from date of production if stored properly in original unopened packing.
Storage conditions	Not affected by frost down to -12°C.
Appearance and colour	Yellow
Density	1.25 kg/l

TECHNICAL INFORMATION

Specific advice

When concreting in cold conditions, attention should be paid to the following important points:

- Keep form work and reinforcement free from water, snow or ice. Where required pre-heat to 0°C min., all form work must be designed to act as thermal insulation.
- Maintain minimum temperature of concrete at 5°C.
- Protect against loss of moisture and heat by maintaining cover and insulation.
- If Sika® Antifreeze 1% freezes in the drum, thaw gradually in a heated environment (Avoid direct flame contact). Once thawed all properties re-

APPLICATION INFORMATION

Recommended dosage	1% by weight of cement.
Dispensing	Sika® Antifreeze 1% is added to the mixing water prior to its addition to the aggregates.

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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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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