Sika® Antifreeze
Admixture for cold weather concreting

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

Uses
Sika® Antifreeze is ready for use in cold weather conditions, such as:
- Slight day time frost
- Expected overnight frost
- Expected cold periods
- When under normal conditions work would have to stop

Characteristics / Advantages
Sika® Antifreeze provides the following beneficial properties:
- Improved workability without increased water
- Reduction in water without loss of workability
- Increased frost resistance
- Improved strengths
- Chloride free - does not corrode reinforcement

Product Data

Form

Appearance / Colour
Yellow to clear liquid

Packaging
20 kg

Storage

Storage Conditions / Shelf-Life
12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between -5°C and +35°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base
Aqueous solution of inorganic salts

Relative Density
~1.20 at 25°C
System Information

Application Details

Consumption / Dosage
1% by weight of cement / binder. Actual dosage to be finalised on the basis of site trials.

Application Instructions

Dispensing
Sika® Antifreeze liquid is added directly to part of the mixing water prior to its addition to the wet aggregate cement mix.

Notes on Application / Limitations
While concreting in cold conditions, attention should be paid to the following points:
- Keep formwork and reinforcement free from water, snow or ice, where required pre-heat to 0°C min. All formwork 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 freezes in the drum thaw gradually in a heating environment (avoid direct flame contact). Once thawed all properties remain unaffected.

Cleaning of Tools
Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

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.

Health and Safety Information
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.