

PRODUCT DATA SHEET

SikaControl®-100 WT ET

Water resisting concrete admixture

DESCRIPTION

SikaControl®-100 WT ET is a liquid water resisting admixture used to reduce the permeability of concrete.

USES

SikaControl®-100 WT ET has been specially formulated to produce high quality watertight concrete.

- To produce watertight concrete for foundations, concrete slabs, basements, lift pits, swimming pools, reservoirs, tunnels, rafts... etc.
- For concrete structures designed to withstand the attack of selenite waters, sea waters, industrial waters or pure waters.

FEATURES

- SikaControl®-100 WT ET is chlorine free.
- SikaControl®-100 WT ET combines with lime cement to form crystallization, blocking the capillaries of the paste making the concrete waterproof.
- SikaControl®-100 WT ET has no impact on the setting time or the mechanical resistance of the concrete.

CERTIFICATES AND TEST REPORTS

CE marking according to EN 934-2

Tested with Addis Ababa Institute of Technology construction materials testing laboratory according to EN 12390-8:2009, Section 6

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 1,000 litres IBC, ▪ 200 litres Drum, ▪ 5 and 20 litres Jerrycan
Shelf life	12 months from date of production if stored properly in unopened and undamaged original sealed containers.
Storage conditions	Store at temperature between 5°C and 35°C, protected from the direct sunlight.
Appearance and colour	Off white liquid
Density	1.02 ± 0.03 kg/l
pH-Value	9 ± 1
Equivalent sodium oxide	≤ 2%

TECHNICAL INFORMATION

Concreting guidance	<p>With the use of SikaControl®-100 WT ET, the standard rules of good concreting practice (production as well as placing) must be observed.</p> <p>Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika Antisol products as a curing agent or apply wet hessian.</p>
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APPLICATION INFORMATION

Recommended dosage	The recommended usage range is 0.7 to 2% by weight of cement (i.e., 0.7 to 2 liters per 100 kg of cement). However, the optimum dosage to meet project requirements must be determined through trial mixes.
Dispensing	SikaControl®-100 WT ET should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle or along with the mix water. The concrete should be mixed thoroughly until a homogeneous concrete mix is produced.
Compatibility	SikaControl®-100 WT ET is compatible with all types of Portland cement including Sulphate Resistant Cement (SRC) and blended cements. SikaControl®-100 WT ET can be used in conjunction with most of the Sika Concrete admixtures. Refer to the local Sika representative for more information.

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.

IMPORTANT CONSIDERATIONS

Watertight concrete is only achieved with proper attention to material selection, mix design, batching, placing, compaction and curing. SikaControl®-100 WT ET must not be added to dry cement. Before pouring, suitability tests on the fresh concrete must be carried out due to the extended workability, take special care that formwork is properly installed and secured.

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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PRODUCT DATA SHEET

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