

PRODUCT DATA SHEET

SikaControl®-110 WT KE

LIQUID MASS WATER REPELLENT FOR CONCRETE

DESCRIPTION

SikaControl®-110 WT KE (formerly Sika® Hydofuge HSL) is a white liquid mass water repellent for concrete suitable for waterproofing purposes.

USES

- Water-repellent concrete structures in the mass: foundations, rafts, tanks... etc.
- Concrete structures that must withstand the attack of selenite, seawater, industrial water or pure water.

CHARACTERISTICS / ADVANTAGES

- SikaControl®-110 WT KE combines with the lime of the cement to form crystallizations clogging the capillaries of the paste, making the concrete water-proof.
- SikaControl®-110 WT KE is guaranteed chlorine-free.
- SikaControl®-110 WT KE has no impact on the setting time or mechanical resistance of concrete.

APPROVALS / CERTIFICATES

CE marking according to EN 934-2.

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 200-liter drum ▪ 20-liter jerrican ▪ 5 liters Jerrican
Appearance / Colour	Milky white/pale brown liquid
Shelf life	12 Months in its original date of production
Storage conditions	Store in undamaged, unopened and sealed original containers at temperatures between +5 °C and +35 °C. Protect from frost, direct sunlight and contamination. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.
Density	1.02 ± 0.02
pH-Value	9.0±1.0
Total chloride ion content	≤ 0.1

APPLICATION INFORMATION

Recommended dosage	The recommended range of use is 0.7 to 2.0% of the weight of cement. Note: Trial mixes should always be conducted to establish the exact dosage rates and water requirements per mix. Whenever admixture (PCE or SNF-based) is used, the dosage should be 0.2 - 1.0%.
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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.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data

APPLICATION INSTRUCTIONS

MIXING

- SikaControl®-110 WT KE must be stirred slowly before use to ensure a homogeneous, lump free consistency.
- SikaControl®-110 WT KE shall be diluted in the gauging water. The dilution must be stirred slowly (to ensure a homogeneous, lump free consistency) prior addition into the mortar/concrete mixer.
- SikaControl®-110 WT KE can also be added neat to the mortar/concrete mix provided that the mixture is properly mixed to achieve a homogeneous consistency

APPLICATION METHOD / TOOLS

- The standard rules of good concreting practice (concerning production, placing and curing) are to be followed. Refer to relevant standards.
- SikaControl®-110 WT KE may be combined with many other Sika® products.
- Note: Preliminary testing is required to prove the compatibility. Please contact Sika technical service for more information and advice.

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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