

PRODUCT DATA SHEET

SikaControl®-3122 S WT

waterproofing admixture combining crystalline and hydrophobic pore-blocking ingredients

DESCRIPTION

SikaControl®-3122 S WT is a waterproofing liquid admixture having both integral crystalline capillary and hydrophobic pore-blocking functions. It is designed for use in above- and below-grade applications. SikaControl®-3122 S WT consists of various active, proprietary chemicals. These active chemicals react with the by-products of cement hydration to cause a reaction, which generates an insoluble crystalline deposit throughout the pores and capillary tracts of the concrete. Thus, the concrete with SikaControl®-3122 S WT reduces water permeability. This product also has a self-healing property in the presence of moisture and can help with crack healing. Suitable to use in hot and tropical climatic conditions.

USES

SikaControl®-3122 S WT can be used in all structural concrete that is constantly or intermittently in contact with water such as sea walls, tunnels, basements, structural and pre-cast concrete. SikaControl®-3122 S WT can also be used as crystalline waterproofing admixture for cement mortars and plasters.

SikaControl®-3122 S WT can be used to enhance the waterproofing properties of structures such as:

- Building basement and foundations
- Sewage and water treatment plants
- Dams, canals, tunnels, harbours
- Tunnel and subway systems
- Water reservoirs
- Concrete pipes
- Parking structures
- Pre-cast, cast-in-place and shotcrete applications
- Swimming pools
- Retaining walls and sea defense walls

FEATURES

- Liquid product facilitates accurate measurement and recording of addition through existing concrete batch plant dispensing system
- Reduces concrete permeability
- Allows concrete to breathe
- Non-toxic
- Becomes an integral part of the concrete
- Reduces penetration of water and other liquids under pressure
- Can help to seal hairline cracks
- Protects against sewage and industrial wastes
- Added to the concrete at time of batching and therefore, is not subject to climatic restraints

CERTIFICATES AND TEST REPORTS

SikaControl®-3122 S WT is categorized as PRAH within ACI 212.3R-10 "Report on Chemical Admixtures for concrete" (Permeability reducing admixtures)

PRODUCT INFORMATION

Composition	Variuos active chemicals
Packaging	200 L Drums or 1,000 L flowbins
Appearance and colour	Clear to yellow liquid
Shelf life	6 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C.
Density	~1.05 kg/l (+25 °C)
Total chloride ion content	Nil (BS EN 934)

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice for production and placing must be observed when using SikaControl®-3122 S WT in concrete. Refer to relevant standards. Ensure water / cement ratio is less than 0.5% while using SikaControl®-3122 S WT on the mix. Addition of superplasticiser from the Sikament®, SikaPlast® or Sika® ViscoCrete® range is advised to achieve minimum water/cement ratio. 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.
Effect on setting	SikaControl®-3122 S WT admixture has minor or no effect on concrete setting time within the recommended dosage range. However, it is recommended to conduct the trials in case any additives or blended cementitious combinations are to be used.
Recommended dosage	1.0–2.5 % by weight of total binder. Dosage may vary depending on the mix design, raw materials, climatic conditions and concrete requirements. To ready mix concrete, a typical dosage of 6–7 kg/m ³ of concrete is recommended. However, the optimum dosage to meet project requirements must be determined through trial mixes.
Compatibility	<p>SikaControl®-3122 S WT is suitable for mixes containing all types of cement and supplementary cementitious materials such as Microsilica (Silica Fume), Fly Ash (PFA), GGBS (Ground Granulated Blast Furnace Slag) and the following Sika products:</p> <ul style="list-style-type: none">▪ SikaPlast®▪ Sika® ViscoCrete®▪ Sikament®▪ Plastiment®▪ SikaPump®▪ Sika®FerroGard®▪ SikaFume®▪ SikaFiber®▪ Sika® Aer▪ Sika®Stabilizer▪ SikaControl® <p>We recommend to perform trial mixes to establish the required performance when combining SikaControl®-3122 S WT with the above products or other admixtures. Please consult our Sika Technical Department for further advice.</p>

Dispensing

SikaControl®-3122 S WT should be added within the recommended dosage. It may be batched in either a central or truck mixer. Follow the procedures outlined in ASTM C94 / C94M, Standard Specification for Ready-Mixed Concrete, for general batching and mixing instructions for concrete if adding to a truck mixer. Provide at least 5 minutes of mixing after the addition of SikaControl®-3122 S WT admixture to ensure thorough and uniform distribution of the admixture in the concrete mixture.

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

- SikaControl®-3122 S WT will neither initiate nor promote corrosion of reinforcing steel embedded in concrete, prestressed concrete or concrete placed on galvanized steel floor and roof systems.
- Neither calcium chloride nor any calcium chloride based ingredients are used in the manufacture of SikaControl®-3122 S WT. In all concrete application, SikaControl®-3122 S WT will conform to the most stringent or minimum chloride ion limits currently suggested by construction industry standards and practices.
- SikaControl®-3122 S WT has minor or no effect on workability of concrete. Prior site trials are advised to assess the effect and any increase or decrease in the workability can be adjusted by adjusting the admixture dosage or amount of water in use.
- It is strongly recommended that concrete should be properly cured particularly in hot, windy and dry climates.

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.

Sika Gulf B.S.C. (c)

Tel: +973 177 38188

Email: info@bh.sika.com

Sika Kuwait Cons. Mat. & Paints Co WLL

Tel: +965 22 282 296

Email: sika.kuwait@kw.sika.com

Web: gcc.sika.com

Sika UAE LLC

Sika UAE LLC (Branch)

Sika International Chemicals LLC

Tel: +971 4 439 8200

Email: info@ae.sika.com

Web: gcc.sika.com

Sika Saudi Arabia Limited

Riyadh / Jeddah / Dammam / Rabigh

Tel: +966 9200 22167

Email: info@sa.sika.com

Web: gcc.sika.com

Sika MB LLC

Oman

Tel. +968 22 826 500

Email: info@om.sika.com

Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS:
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS:
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV:
- Sika UAE LLC (Branch)
ISO 9001 – SGS:
- Sika MB LLC

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.



SikaControl-3122SWT-en-AE-(02-2026)-1-1.pdf

Product Data Sheet

SikaControl®-3122 S WT

February 2026, Version 01.01

021403011000247461